

Unbalanced Voltage Drop Report  
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |    |
| 436344       | PL.26491    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.83                     | 1.08         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 1.576             | 0.000 | 8          | 1            | 1    | 1  |
| 436330       | PL.14301    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.83                     | 0.36         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.501             | 0.000 | 3          | 0            | 1    | 1  |
| 436343       | PL.14301    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.83                     | 0.78         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 1.501             | 0.000 | 6          | 1            | 1    | 1  |
| 436324       | PL.14300    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.79                     | 0.89         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 1.349             | 0.000 | 7          | 1            | 1    | 1  |
| 4363115      | PL.14300    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.79                     | 0.03         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.349             | 0.000 | 0          | 0            | 1    | 1  |
| 436325       | PL.14300    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.79                     | 0.46         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 1.349             | 0.000 | 3          | 1            | 1    | 1  |
| 436333       | PL.14300    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.79                     | 0.46         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 1.349             | 0.000 | 3          | 1            | 1    | 1  |
| PL.6729      | PL.14299    | B   | 4ACSR              | 7.51Y     | 125.2        | 0.01            | 0.80                     | 3.94         | 2        | 29         | 5         | 99         | 0.00      | 0.0               | 1.393             | 0.073 | 0          | 0            | 0    | 5  |
| PL.6730      | PL.6729     | B   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.80                     | 2.56         | 1        | 19         | 3         | 99         | 0.00      | 0.0               | 1.412             | 0.019 | 0          | 0            | 0    | 2  |
| 436359       | PL.6730     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 1.08         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 1.412             | 0.000 | 8          | 1            | 1    | 1  |
| 436345       | PL.6730     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 1.49         | 0        | 11         | 2         | 98         | 0.00      | 0.0               | 1.412             | 0.000 | 11         | 2            | 1    | 1  |
| 436329       | PL.6729     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.52         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 1.393             | 0.000 | 4          | 1            | 1    | 1  |
| 4363110      | PL.6729     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.11         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 1.393             | 0.000 | 1          | 0            | 1    | 1  |
| 436347       | PL.6729     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.75         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 1.393             | 0.000 | 6          | 1            | 1    | 1  |
| 436331       | PL.18451    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.75                     | 0.44         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 1.264             | 0.000 | 3          | 1            | 1    | 1  |
| 436335       | PL.18451    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.75                     | 0.31         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.264             | 0.000 | 2          | 0            | 1    | 1  |
| 436349       | PL.18451    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.75                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.264             | 0.000 | 0          | 0            | 1    | 1  |
| PL.20435     | PL.26493    | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.25                     | 16.71        | 9        | 123        | 22        | 98         | 0.00      | 0.0               | 1.247             | 0.005 | 0          | 0            | 0    | 24 |
| PD.2449      | PL.20435    | A   | 25E                | 7.48Y     | 124.7        | 0.00            | 1.25                     | 16.71        | 67       | 123        | 22        | 98         | 0.00      | 0.0               | 1.247             | 0.000 | 0          | 0            | 0    | 24 |
| PL.20436     | PD.2449     | A   | 4ACSR              | 7.48Y     | 124.7        | 0.04            | 1.29                     | 16.71        | 9        | 123        | 22        | 98         | 0.03      | 0.0               | 1.297             | 0.050 | 0          | 0            | 0    | 24 |
| PL.6733      | PL.20436    | A   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.30                     | 5.36         | 3        | 39         | 7         | 98         | 0.00      | 0.0               | 1.337             | 0.040 | 0          | 0            | 0    | 12 |
| 436323       | PL.6733     | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 1.43         | 0        | 11         | 2         | 98         | 0.00      | 0.0               | 1.337             | 0.000 | 11         | 2            | 1    | 1  |
| PL.6734      | PL.6733     | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 3.93         | 2        | 29         | 5         | 99         | 0.00      | 0.0               | 1.355             | 0.018 | 0          | 0            | 0    | 11 |
| PL.6732      | PL.6734     | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 3.78         | 2        | 28         | 5         | 98         | 0.00      | 0.0               | 1.384             | 0.029 | 0          | 0            | 0    | 9  |
| PL.6731      | PL.6732     | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 3.41         | 2        | 25         | 5         | 98         | 0.00      | 0.0               | 1.401             | 0.016 | 0          | 0            | 0    | 8  |
| 436354       | PL.6731     | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.21         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.401             | 0.000 | 2          | 0            | 1    | 1  |
| 436369       | PL.6731     | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.43         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 1.401             | 0.000 | 3          | 1            | 1    | 1  |
| 436376       | PL.6731     | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.52         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 1.401             | 0.000 | 4          | 1            | 1    | 1  |
| 436358       | PL.6731     | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.32         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.401             | 0.000 | 2          | 0            | 1    | 1  |
| PL.14297     | PL.6731     | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 1.94         | 1        | 14         | 3         | 98         | 0.00      | 0.0               | 1.419             | 0.018 | 0          | 0            | 0    | 4  |
| PL.14298     | PL.14297    | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 1.59         | 1        | 12         | 2         | 99         | 0.00      | 0.0               | 1.442             | 0.023 | 0          | 0            | 0    | 3  |
| 436371       | PL.14298    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.41         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 1.442             | 0.000 | 3          | 1            | 1    | 1  |
| 436362       | PL.14298    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.65         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 1.442             | 0.000 | 5          | 1            | 1    | 1  |
| 436363       | PL.14298    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.53         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 1.442             | 0.000 | 4          | 1            | 1    | 1  |
| 436365       | PL.14297    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.35         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.419             | 0.000 | 3          | 0            | 1    | 1  |
| 436372       | PL.6732     | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.36         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.384             | 0.000 | 3          | 0            | 1    | 1  |
| 436384       | PL.6734     | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.355             | 0.000 | 0          | 0            | 1    | 1  |
| 436352       | PL.6734     | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.15         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 1.355             | 0.000 | 1          | 0            | 1    | 1  |

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Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PL.14296     | PL.20436    | A   | 4ACSR              | 7.48Y     | 124.7        | 0.04            | 1.33                     | 11.35        | 6        | 84         | 15   | 98      | 0.03       | 0.0               | 1.380             | 0.083          | 0          | 0            | 0  | 12   |
| PL.14295     | PL.14296    | A   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.35                     | 5.70         | 3        | 42         | 8    | 98      | 0.00       | 0.0               | 1.440             | 0.060          | 0          | 0            | 0  | 9    |
| 436366       | PL.14295    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.35                     | 0.40         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.440             | 0.000          | 3          | 1            | 1  | 1    |
| 436360       | PL.14295    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.35                     | 0.64         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.440             | 0.000          | 5          | 1            | 1  | 1    |
| PL.28645     | PL.14295    | A   | 4ACSR              | 7.48Y     | 124.6        | 0.01            | 1.35                     | 4.66         | 2        | 34         | 6    | 98      | 0.00       | 0.0               | 1.479             | 0.040          | 0          | 0            | 0  | 7    |
| PL.28646     | PL.28645    | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 3.97         | 2        | 29         | 5    | 99      | 0.00       | 0.0               | 1.507             | 0.028          | 0          | 0            | 0  | 6    |
| PL.6735      | PL.28646    | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 3.68         | 2        | 27         | 5    | 98      | 0.00       | 0.0               | 1.523             | 0.017          | 0          | 0            | 0  | 5    |
| PL.28647     | PL.6735     | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 3.37         | 2        | 25         | 4    | 99      | 0.00       | 0.0               | 1.540             | 0.017          | 0          | 0            | 0  | 4    |
| 436361       | PL.28647    | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 1.00         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.540             | 0.000          | 7          | 1            | 1  | 1    |
| 436353       | PL.28647    | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.65         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.540             | 0.000          | 5          | 1            | 1  | 1    |
| PL.28648     | PL.28647    | A   | 4ACSR              | 7.48Y     | 124.6        | 0.01            | 1.37                     | 1.72         | 1        | 13         | 2    | 99      | 0.00       | 0.0               | 1.664             | 0.124          | 0          | 0            | 0  | 2    |
| PL.6736      | PL.28648    | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.37                     | 0.88         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.696             | 0.032          | 0          | 0            | 0  | 1    |
| 436374       | PL.6736     | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.37                     | 0.88         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.696             | 0.000          | 6          | 1            | 1  | 1    |
| 436357       | PL.28648    | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.37                     | 0.84         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.664             | 0.000          | 6          | 1            | 1  | 1    |
| 436375       | PL.6735     | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.31         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.523             | 0.000          | 2          | 0            | 1  | 1    |
| 436355       | PL.28646    | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.507             | 0.000          | 2          | 0            | 1  | 1    |
| 436305       | PL.28645    | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.35                     | 0.68         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.479             | 0.000          | 5          | 1            | 1  | 1    |
| 436309       | PL.14296    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.33                     | 0.73         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.380             | 0.000          | 5          | 1            | 1  | 1    |
| 436322       | PL.14296    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.33                     | 2.00         | 0        | 15         | 3    | 98      | 0.00       | 0.0               | 1.380             | 0.000          | 15         | 3            | 1  | 1    |
| 436351       | PL.14296    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.33                     | 2.92         | 0        | 22         | 4    | 98      | 0.00       | 0.0               | 1.380             | 0.000          | 22         | 4            | 1  | 1    |
| PL.18807     | PL.14296    | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.33                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.391             | 0.011          | 0          | 0            | 0  | 0    |
| PD.345-A     | PL.18807    | A   | Open               | 7.48Y     | 124.7        | 0.00            | 1.33                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.391             | 0.000          | 0          | 0            | 0  | 0    |
| PL.27580     | PL.26492    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.173             | 0.015          | 0          | 0            | 0  | 0    |
| PD.1011      | PL.27580    | B   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.173             | 0.000          | 0          | 0            | 0  | 0    |
| PL.27581     | PD.1011     | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.616             | 0.442          | 0          | 0            | 0  | 0    |
| 436218       | PL.27581    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.616             | 0.000          | 0          | 0            | 0  | 0    |
| 588704       | PL.15348    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.63                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.820             | 0.000          | 0          | 0            | 0  | 0    |
| 587705       | PL.15398    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.62                     | 0.40         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 0.737             | 0.000          | 3          | 1            | 1  | 1    |
| PL.22056     | PL.15398    | C   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.62                     | 1.02         | 1        | 8          | 1    | 99      | 0.00       | 0.0               | 0.743             | 0.007          | 0          | 0            | 0  | 3    |
| PD.2867      | PL.22056    | C   | fuse6AMP           | 7.52Y     | 125.4        | 0.00            | 0.62                     | 1.02         | 18       | 8          | 1    | 99      | 0.00       | 0.0               | 0.743             | 0.000          | 0          | 0            | 0  | 3    |
| PL.21697     | PD.2867     | C   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.62                     | 1.02         | 1        | 8          | 1    | 99      | 0.00       | 0.0               | 0.781             | 0.038          | 0          | 0            | 0  | 3    |
| PL.21509     | PL.21697    | C   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.62                     | 0.34         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.816             | 0.035          | 0          | 0            | 0  | 1    |
| 587704       | PL.21509    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.62                     | 0.34         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.816             | 0.000          | 3          | 0            | 1  | 1    |
| PL.23059     | PL.21509    | C   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.62                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.845             | 0.029          | 0          | 0            | 0  | 0    |
| 587712       | PL.21697    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.62                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.781             | 0.000          | 0          | 0            | 1  | 1    |
| 587711       | PL.21697    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.62                     | 0.66         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 0.781             | 0.000          | 5          | 1            | 1  | 1    |
| 586703       | PL.7558     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.635             | 0.000          | 0          | 0            | 0  | 0    |
| 586702       | PL.7557     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.47                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.611             | 0.000          | 2          | 0            | 1  | 1    |

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| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| 586701       | PL.7557     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.47                     | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.611             | 0.000          | 2          | 0            | 1  | 1    |
| 585704       | PL.26508    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.53                     | 3.86         | 0        | 26         | 13   | 89      | 0.00       | 0.0               | 0.526             | 0.000          | 26         | 13           | 1  | 1    |
| 585702       | PL.26508    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.53                     | 1.25         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 0.526             | 0.000          | 9          | 2            | 1  | 1    |
| PL.26511     | PL.26508    | A   | 1/0ACSR            | 7.52Y     | 125.3        | 0.01            | 0.66                     | 56.17        | 17       | 422        | -22  | -100    | 0.09       | 0.0               | 0.541             | 0.015          | 0          | 0            | 0  | 87   |
|              |             | B   |                    | 7.53Y     | 125.6        | 0.01            | 0.43                     | 40.65        | 12       | 303        | -45  | -99     |            |                   |                   |                | 0          | 0            | 0  | 70   |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.01            | 0.54                     | 45.35        | 14       | 340        | -34  | -99     |            |                   |                   |                | 0          | 0            | 0  | 63   |
| PL.26510     | PL.26511    | A   | 1/0ACSR            | 7.52Y     | 125.3        | 0.04            | 0.70                     | 54.56        | 17       | 409        | -30  | -100    | 0.26       | 0.0               | 0.587             | 0.046          | 0          | 0            | 0  | 87   |
|              |             | B   |                    | 7.53Y     | 125.6        | 0.01            | 0.44                     | 39.17        | 12       | 290        | -53  | -98     |            |                   |                   |                | 0          | 0            | 0  | 70   |
|              |             | C   |                    | 7.53Y     | 125.4        | 0.03            | 0.57                     | 43.81        | 13       | 327        | -42  | -99     |            |                   |                   |                | 0          | 0            | 0  | 63   |
| PL.7556      | PL.26510    | A   | 1/0ACSR            | 7.51Y     | 125.2        | 0.05            | 0.75                     | 54.25        | 16       | 407        | -30  | -100    | 0.40       | 0.0               | 0.658             | 0.072          | 0          | 0            | 0  | 86   |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.02            | 0.47                     | 39.17        | 12       | 290        | -53  | -98     |            |                   |                   |                | 0          | 0            | 0  | 70   |
|              |             | C   |                    | 7.52Y     | 125.4        | 0.05            | 0.62                     | 43.81        | 13       | 327        | -42  | -99     |            |                   |                   |                | 0          | 0            | 0  | 63   |
| PL.20758     | PL.7556     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.07            | 0.82                     | 20.86        | 11       | 154        | 28   | 98      | 0.37       | 0.1               | 0.757             | 0.098          | 0          | 0            | 0  | 34   |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.08            | 0.55                     | 20.01        | 10       | 147        | 32   | 98      |            |                   |                   |                | 0          | 0            | 0  | 39   |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.12            | 0.74                     | 30.42        | 16       | 223        | 52   | 97      |            |                   |                   |                | 0          | 0            | 0  | 50   |
| PL.20759     | PL.20758    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.02            | 0.84                     | 20.86        | 11       | 154        | 28   | 98      | 0.12       | 0.0               | 0.788             | 0.031          | 0          | 0            | 0  | 34   |
|              |             | B   |                    | 7.53Y     | 125.4        | 0.02            | 0.57                     | 20.01        | 10       | 147        | 32   | 98      |            |                   |                   |                | 0          | 0            | 0  | 39   |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.04            | 0.78                     | 30.42        | 16       | 223        | 52   | 97      |            |                   |                   |                | 0          | 0            | 0  | 49   |
| PD.3729      | PL.20759    | A   | 50L                | 7.51Y     | 125.2        | 0.00            | 0.84                     | 20.86        | 42       | 154        | 28   | 98      | 0.00       | 0.0               | 0.788             | 0.000          | 0          | 0            | 0  | 34   |
|              |             | B   |                    | 7.53Y     | 125.4        | 0.00            | 0.57                     | 20.01        | 40       | 147        | 32   | 98      |            |                   |                   |                | 0          | 0            | 0  | 39   |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.00            | 0.78                     | 30.42        | 61       | 223        | 52   | 97      |            |                   |                   |                | 0          | 0            | 0  | 49   |
| PL.27593     | PD.3729     | A   | 4ACSR              | 7.51Y     | 125.1        | 0.02            | 0.86                     | 20.86        | 11       | 154        | 28   | 98      | 0.09       | 0.0               | 0.812             | 0.024          | 0          | 0            | 0  | 34   |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.02            | 0.59                     | 20.01        | 10       | 147        | 32   | 98      |            |                   |                   |                | 0          | 0            | 0  | 39   |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.03            | 0.81                     | 30.42        | 16       | 223        | 52   | 97      |            |                   |                   |                | 0          | 0            | 0  | 49   |
| PL.7560      | PL.27593    | A   | 4ACSR              | 7.51Y     | 125.1        | 0.04            | 0.89                     | 18.22        | 9        | 135        | 23   | 99      | 0.21       | 0.0               | 0.876             | 0.065          | 0          | 0            | 0  | 30   |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.05            | 0.64                     | 18.11        | 9        | 134        | 25   | 98      |            |                   |                   |                | 0          | 0            | 0  | 37   |
|              |             | C   |                    | 7.51Y     | 125.1        | 0.08            | 0.88                     | 29.31        | 15       | 215        | 48   | 98      |            |                   |                   |                | 0          | 0            | 0  | 48   |
| 583703       | PL.7560     | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.876             | 0.000          | 0          | 0            | 0  | 0    |
| 583704       | PL.7560     | B   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.64                     | 1.13         | 0        | 8          | 4    | 89      | 0.00       | 0.0               | 0.876             | 0.000          | 8          | 4            | 1  | 1    |
| PL.26512     | PL.7560     | A   | 4ACSR              | 7.51Y     | 125.1        | 0.02            | 0.91                     | 18.22        | 9        | 135        | 23   | 99      | 0.13       | 0.0               | 0.916             | 0.040          | 0          | 0            | 0  | 30   |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.03            | 0.66                     | 17.02        | 9        | 126        | 22   | 99      |            |                   |                   |                | 0          | 0            | 0  | 36   |
|              |             | C   |                    | 7.50Y     | 125.1        | 0.05            | 0.93                     | 29.31        | 15       | 215        | 48   | 98      |            |                   |                   |                | 0          | 0            | 0  | 48   |
| PL.26513     | PL.26512    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.05            | 0.97                     | 18.22        | 9        | 135        | 23   | 99      | 0.30       | 0.1               | 1.010             | 0.094          | 0          | 0            | 0  | 30   |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.06            | 0.73                     | 17.02        | 9        | 126        | 22   | 99      |            |                   |                   |                | 0          | 0            | 0  | 36   |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.11            | 1.04                     | 29.31        | 15       | 215        | 48   | 98      |            |                   |                   |                | 0          | 0            | 0  | 48   |
| PL.45958     | PL.26513    | A   | 2ACSR              | 7.50Y     | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.016             | 0.006          | 0          | 0            | 0  | 0    |
| PD.8698      | PL.45958    | A   | fuse6AMP           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.016             | 0.000          | 0          | 0            | 0  | 0    |
| PL.45959     | PD.8698     | A   | 2ACSR              | 7.50Y     | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.045             | 0.029          | 0          | 0            | 0  | 0    |
| 5828004      | PL.45959    | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.045             | 0.000          | 0          | 0            | 0  | 0    |
| PL.26514     | PL.26513    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.05            | 1.02                     | 16.04        | 8        | 119        | 17   | 99      | 0.33       | 0.1               | 1.117             | 0.107          | 0          | 0            | 0  | 28   |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.07            | 0.80                     | 17.02        | 9        | 126        | 22   | 99      |            |                   |                   |                | 0          | 0            | 0  | 36   |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.13            | 1.17                     | 29.31        | 15       | 214        | 48   | 98      |            |                   |                   |                | 0          | 0            | 0  | 48   |
| PL.6845      | PL.26514    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 1.03                     | 16.04        | 8        | 119        | 17   | 99      | 0.09       | 0.0               | 1.148             | 0.031          | 0          | 0            | 0  | 28   |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.02            | 0.82                     | 16.95        | 9        | 126        | 21   | 99      |            |                   |                   |                | 0          | 0            | 0  | 35   |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.04            | 1.21                     | 29.00        | 15       | 212        | 47   | 98      |            |                   |                   |                | 0          | 0            | 0  | 47   |
| PL.6846      | PL.6845     | A   | 4ACSR              | 7.50Y     | 124.9        | 0.04            | 1.07                     | 15.77        | 8        | 117        | 17   | 99      | 0.14       | 0.0               | 1.217             | 0.069          | 0          | 0            | 0  | 27   |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.04            | 0.87                     | 16.95        | 9        | 126        | 21   | 99      |            |                   |                   |                | 0          | 0            | 0  | 35   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.05            | 1.26                     | 19.36        | 10       | 141        | 35   | 97      |            |                   |                   |                | 0          | 0            | 0  | 34   |
| PL.6847      | PL.6846     | A   | 4ACSR              | 7.49Y     | 124.9        | 0.03            | 1.10                     | 15.77        | 8        | 117        | 17   | 99      | 0.10       | 0.0               | 1.269             | 0.052          | 0          | 0            | 0  | 27   |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.03            | 0.90                     | 16.95        | 9        | 125        | 21   | 99      |            |                   |                   |                | 0          | 0            | 0  | 35   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.04            | 1.30                     | 19.04        | 10       | 138        | 34   | 97      |            |                   |                   |                | 0          | 0            | 0  | 33   |
| 582901       | PL.6847     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.269             | 0.000          | 2          | 0            | 1  | 1    |

Unbalanced Voltage Drop Report
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 5829002, PL.7561, PL.208, etc.

Unbalanced Voltage Drop Report
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data rows for various elements like PL.6749, 435340, etc.

Unbalanced Voltage Drop Report  
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| PL.40789     | PL.29608    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.30                     | 3.77         | 2        | 28         | 3       | 99         | 0.00      | 0.0               | 1.991                               | 0.002 | 0    | 0          | 0            | 6   |
| PL.40788     | PL.40789    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.30                     | 3.77         | 2        | 28         | 3       | 99         | 0.00      | 0.0               | 2.004                               | 0.013 | 0    | 0          | 0            | 6   |
| PL.40797     | PL.40788    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.30                     | 3.77         | 2        | 28         | 3       | 99         | 0.00      | 0.0               | 2.016                               | 0.012 | 0    | 0          | 0            | 6   |
| PL.40796     | PL.40797    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.31                     | 3.30         | 2        | 25         | 2       | 100        | 0.00      | 0.0               | 2.029                               | 0.012 | 0    | 0          | 0            | 5   |
| PL.40793     | PL.40796    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.31                     | 3.30         | 2        | 25         | 3       | 99         | 0.00      | 0.0               | 2.035                               | 0.006 | 0    | 0          | 0            | 5   |
| PL.40795     | PL.40793    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.31                     | 3.30         | 2        | 25         | 3       | 99         | 0.00      | 0.0               | 2.045                               | 0.010 | 0    | 0          | 0            | 5   |
| 5860003      | PL.40795    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.045                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.40794     | PL.40795    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.31                     | 3.30         | 2        | 25         | 3       | 99         | 0.00      | 0.0               | 2.052                               | 0.006 | 0    | 0          | 0            | 5   |
| PL.40791     | PL.40794    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.31                     | 3.30         | 2        | 25         | 3       | 99         | 0.00      | 0.0               | 2.068                               | 0.016 | 0    | 0          | 0            | 5   |
| 5860002      | PL.40791    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.068                               | 0.000 | 1    | 0          | 1            | 1   |
| 4363118      | PL.40791    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.068                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.40790     | PL.40791    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.31                     | 3.22         | 2        | 24         | 3       | 99         | 0.00      | 0.0               | 2.092                               | 0.024 | 0    | 0          | 0            | 4   |
| PL.6758      | PL.40790    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.31                     | 3.22         | 2        | 24         | 3       | 99         | 0.00      | 0.0               | 2.104                               | 0.012 | 0    | 0          | 0            | 4   |
| PL.21508     | PL.6758     | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.31                     | 3.22         | 2        | 24         | 3       | 99         | 0.00      | 0.0               | 2.143                               | 0.039 | 0    | 0          | 0            | 4   |
| PL.21507     | PL.21508    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.32                     | 2.60         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 2.199                               | 0.056 | 0    | 0          | 0            | 3   |
| 4363113      | PL.21507    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.32                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.199                               | 0.000 | 0    | 0          | 0            | 0   |
| 4363114      | PL.21507    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.32                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.199                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.21506     | PL.21507    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.32                     | 2.61         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 2.247                               | 0.048 | 0    | 0          | 0            | 3   |
| PL.26835     | PL.21506    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.32                     | 2.61         | 1        | 19         | 3       | 99         | 0.00      | 0.0               | 2.284                               | 0.037 | 0    | 0          | 0            | 3   |
| PL.25865     | PL.26835    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | 0.00            | 1.32                     | 1.03         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 2.332                               | 0.048 | 0    | 0          | 0            | 1   |
| 435368       | PL.25865    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.32                     | 1.04         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.332                               | 0.000 | 8    | 1          | 1            | 1   |
| P PL.46065   | PL.25865    | A   | 1/0EPRJCN          | 7.48Y     | 124.7        | -0.00           | 1.32                     | -0.06        | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.435                               | 0.102 | 0    | 0          | 0            | 0 P |
| 435361       | PL.26835    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.32                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.284                               | 0.000 | 6    | 1          | 1            | 1   |
| 435364       | PL.26835    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.32                     | 0.78         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.284                               | 0.000 | 6    | 1          | 1            | 1   |
| 4363111      | PL.21508    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.62         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.143                               | 0.000 | 5    | 1          | 1            | 1   |
| 586001       | PL.40797    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.47         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 2.016                               | 0.000 | 3    | 1          | 1            | 1   |
| 4363116      | PL.29607    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.48         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.913                               | 0.000 | 4    | 1          | 1            | 1   |
| 5850006      | PL.33062    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.28                     | 2.00         | 0        | 15         | 3       | 98         | 0.00      | 0.0               | 1.762                               | 0.000 | 15   | 3          | 1            | 1   |
| 585002       | PL.26832    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.64         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.757                               | 0.000 | 5    | 1          | 1            | 1   |
| 585004       | PL.25868    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.704                               | 0.000 | 5    | 1          | 1            | 1   |
| 5840002      | PL.25867    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.26                     | 1.29         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 1.663                               | 0.000 | 9    | 2          | 1            | 1   |
| 5840003      | PL.25867    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.26                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.663                               | 0.000 | 0    | 0          | 1            | 1   |
| 435367       | PL.25864    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.24                     | 0.41         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 1.573                               | 0.000 | 3    | 1          | 1            | 1   |
| 435369       | PL.25864    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.24                     | 0.89         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.573                               | 0.000 | 7    | 1          | 1            | 1   |
| 583001       | PL.25862    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.490                               | 0.000 | 2    | 0          | 1            | 1   |
| 583002       | PL.25862    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.490                               | 0.000 | 2    | 0          | 1            | 1   |
| 5830006      | PL.25862    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.69         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.490                               | 0.000 | 5    | 1          | 1            | 1   |
| PL.18885     | PL.7561     | C   | 4ACSR              | 7.48Y     | 124.6        | 0.01            | 1.40                     | 18.26        | 9        | 133        | 32      | 97         | 0.01      | 0.0               | 1.413                               | 0.017 | 0    | 0          | 0            | 31  |

Unbalanced Voltage Drop Report  
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PD.3727      | PL.18885    | C   | 25V4E              | 7.48Y     | 124.6        | 0.00            | 1.40   | 18.26        | 73       | 133        | 32   | 97      | 0.00       | 0.0               | 1.413                               | 0.000 | 0    | 0          | 0            | 31        |
| PL.18886     | PD.3727     | C   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41   | 18.26        | 9        | 133        | 32   | 97      | 0.00       | 0.0               | 1.418                               | 0.005 | 0    | 0          | 0            | 31        |
| 581907       | PL.18886    | C   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.16         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.418                               | 0.000 | 1    | 0          | 1            | 1         |
| 582002       | PL.18886    | C   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.41   | 3.88         | 0        | 26         | 13   | 89      | 0.00       | 0.0               | 1.418                               | 0.000 | 26   | 13         | 1            | 1         |
| PL.28391     | PL.18886    | C   | 4ACSR              | 7.47Y     | 124.6        | 0.01            | 1.42   | 14.33        | 7        | 105        | 19   | 98      | 0.01       | 0.0               | 1.436                               | 0.018 | 0    | 0          | 0            | 29        |
| PL.28392     | PL.28391    | C   | 4ACSR              | 7.47Y     | 124.6        | 0.01            | 1.43   | 13.64        | 7        | 100        | 18   | 98      | 0.01       | 0.0               | 1.452                               | 0.016 | 0    | 0          | 0            | 27        |
| 581906       | PL.28392    | C   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.43   | 0.58         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.452                               | 0.000 | 4    | 1          | 1            | 1         |
| 581905       | PL.28392    | C   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.43   | 0.31         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.452                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.26515     | PL.28392    | C   | 4ACSR              | 7.47Y     | 124.6        | 0.01            | 1.44   | 12.76        | 7        | 94         | 17   | 98      | 0.01       | 0.0               | 1.474                               | 0.021 | 0    | 0          | 0            | 25        |
| 581903       | PL.26515    | C   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.44   | 0.46         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.474                               | 0.000 | 3    | 1          | 1            | 1         |
| PL.26517     | PL.26515    | C   | 4ACSR              | 7.47Y     | 124.5        | 0.02            | 1.46   | 12.29        | 6        | 90         | 16   | 98      | 0.02       | 0.0               | 1.518                               | 0.045 | 0    | 0          | 0            | 24        |
| 580901       | PL.26517    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.46   | 1.03         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 1.518                               | 0.000 | 8    | 1          | 1            | 1         |
| 581004       | PL.26517    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.46   | 0.37         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.518                               | 0.000 | 3    | 0          | 1            | 1         |
| 580906       | PL.26517    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.46   | 0.23         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.518                               | 0.000 | 2    | 0          | 1            | 1         |
| 581006       | PL.26517    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.46   | 0.50         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.518                               | 0.000 | 4    | 1          | 1            | 1         |
| 581001       | PL.26517    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.46   | 0.94         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.518                               | 0.000 | 7    | 1          | 1            | 1         |
| 581003       | PL.26517    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.46   | 0.27         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.518                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.26518     | PL.26517    | C   | 4ACSR              | 7.47Y     | 124.5        | 0.01            | 1.48   | 8.94         | 5        | 66         | 12   | 98      | 0.01       | 0.0               | 1.553                               | 0.034 | 0    | 0          | 0            | 18        |
| PL.3579      | PL.26518    | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.48   | 2.19         | 1        | 16         | 3    | 98      | 0.00       | 0.0               | 1.582                               | 0.029 | 0    | 0          | 0            | 3         |
| 580908       | PL.3579     | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.48   | 1.14         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 1.582                               | 0.000 | 8    | 2          | 1            | 1         |
| 581002       | PL.3579     | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.48   | 0.65         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.582                               | 0.000 | 5    | 1          | 1            | 1         |
| 580905       | PL.3579     | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.48   | 0.40         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.582                               | 0.000 | 3    | 1          | 1            | 1         |
| 581008       | PL.26518    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.48   | 0.63         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.553                               | 0.000 | 5    | 1          | 1            | 1         |
| 581007       | PL.26518    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.48   | 0.19         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.553                               | 0.000 | 1    | 0          | 1            | 1         |
| 581005       | PL.26518    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.48   | 0.34         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.553                               | 0.000 | 3    | 0          | 1            | 1         |
| 581009       | PL.26518    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.48   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.553                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.26516     | PL.26518    | C   | 4ACSR              | 7.47Y     | 124.5        | 0.01            | 1.49   | 5.59         | 3        | 41         | 7    | 99      | 0.00       | 0.0               | 1.596                               | 0.043 | 0    | 0          | 0            | 12        |
| 435324       | PL.26516    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.49   | 0.42         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.596                               | 0.000 | 3    | 1          | 1            | 1         |
| 435348       | PL.26516    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.49   | 0.48         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.596                               | 0.000 | 4    | 1          | 1            | 1         |
| 435325       | PL.26516    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.49   | 0.61         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.596                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.26519     | PL.26516    | C   | 4ACSR              | 7.47Y     | 124.5        | 0.01            | 1.50   | 4.09         | 2        | 30         | 5    | 99      | 0.00       | 0.0               | 1.636                               | 0.040 | 0    | 0          | 0            | 9         |
| PL.26520     | PL.26519    | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.50   | 1.35         | 1        | 10         | 2    | 98      | 0.00       | 0.0               | 1.686                               | 0.050 | 0    | 0          | 0            | 3         |
| 435328       | PL.26520    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.50   | 0.60         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.686                               | 0.000 | 4    | 1          | 1            | 1         |
| PL.6746      | PL.26520    | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.50   | 0.76         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.721                               | 0.035 | 0    | 0          | 0            | 2         |
| PL.6747      | PL.6746     | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.50   | 0.47         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.768                               | 0.047 | 0    | 0          | 0            | 1         |
| 435356       | PL.6747     | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.50   | 0.47         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.768                               | 0.000 | 3    | 1          | 1            | 1         |
| PL.6748      | PL.6747     | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.50   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.791                               | 0.024 | 0    | 0          | 0            | 0         |
| PL.26521     | PL.6748     | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.50   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.795                               | 0.004 | 0    | 0          | 0            | 0         |



Unbalanced Voltage Drop Report  
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PD.342-A     | PL.26521    | C   | Open               | 7.47Y     | 124.5        | 0.00            | 1.50                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.795             | 0.000          | 0          | 0            | 0  | 0    |
| 435312       | PL.6746     | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.50                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.721             | 0.000          | 2          | 0            | 1  | 1    |
| PL.2696      | PL.26519    | C   | 4ACSR              | 7.47Y     | 124.5        | 0.01            | 1.50                     | 2.09         | 1        | 15         | 3    | 98      | 0.00       | 0.0               | 1.730             | 0.093          | 0          | 0            | 0  | 4    |
| 435350       | PL.2696     | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.50                     | 1.24         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 1.730             | 0.000          | 9          | 2            | 1  | 1    |
| 580910       | PL.2696     | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.50                     | 0.21         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.730             | 0.000          | 2          | 0            | 1  | 1    |
| 435355       | PL.2696     | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.50                     | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.730             | 0.000          | 2          | 0            | 1  | 1    |
| 435349       | PL.2696     | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.50                     | 0.31         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.730             | 0.000          | 2          | 0            | 1  | 1    |
| 435309       | PL.26519    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.50                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.636             | 0.000          | 0          | 0            | 0  | 0    |
| 435327       | PL.26519    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.50                     | 0.27         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.636             | 0.000          | 2          | 0            | 1  | 1    |
| 435326       | PL.26519    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.50                     | 0.37         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.636             | 0.000          | 3          | 0            | 1  | 1    |
| 581911       | PL.28391    | C   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.42                     | 0.42         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.436             | 0.000          | 3          | 1            | 1  | 1    |
| 581910       | PL.28391    | C   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.42                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.436             | 0.000          | 2          | 0            | 1  | 1    |
| 581912       | PL.6846     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.217             | 0.000          | 0          | 0            | 0  | 0    |
| 581909       | PL.6846     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.26                     | 0.32         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.217             | 0.000          | 2          | 0            | 1  | 1    |
| 581908       | PL.6845     | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.03                     | 0.27         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.148             | 0.000          | 2          | 0            | 1  | 1    |
| 581904       | PL.6845     | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.37         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.148             | 0.000          | 3          | 0            | 1  | 1    |
| PL.18908     | PL.6845     | C   | 4ACSR              | 7.49Y     | 124.8        | 0.01            | 1.21                     | 9.29         | 5        | 68         | 12   | 98      | 0.00       | 0.0               | 1.161             | 0.013          | 0          | 0            | 0  | 12   |
| PD.3726      | PL.18908    | C   | 25V4E              | 7.49Y     | 124.8        | 0.00            | 1.21                     | 9.29         | 37       | 68         | 12   | 98      | 0.00       | 0.0               | 1.161             | 0.000          | 0          | 0            | 0  | 12   |
| PL.18909     | PD.3726     | C   | 4ACSR              | 7.49Y     | 124.8        | 0.01            | 1.22                     | 9.29         | 5        | 68         | 12   | 98      | 0.00       | 0.0               | 1.176             | 0.015          | 0          | 0            | 0  | 12   |
| PL.26526     | PL.18909    | C   | 4ACSR              | 7.49Y     | 124.8        | 0.01            | 1.23                     | 8.19         | 4        | 60         | 11   | 98      | 0.00       | 0.0               | 1.203             | 0.027          | 0          | 0            | 0  | 11   |
| PL.14303     | PL.26526    | C   | 4ACSR              | 7.49Y     | 124.8        | 0.01            | 1.24                     | 6.20         | 3        | 46         | 8    | 99      | 0.00       | 0.0               | 1.244             | 0.041          | 0          | 0            | 0  | 7    |
| PL.6848      | PL.14303    | C   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.24                     | 5.67         | 3        | 42         | 8    | 98      | 0.00       | 0.0               | 1.256             | 0.012          | 0          | 0            | 0  | 6    |
| PL.26524     | PL.6848     | C   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.25                     | 5.67         | 3        | 42         | 8    | 98      | 0.00       | 0.0               | 1.291             | 0.034          | 0          | 0            | 0  | 6    |
| PL.26525     | PL.26524    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.26                     | 4.22         | 2        | 31         | 6    | 98      | 0.00       | 0.0               | 1.341             | 0.050          | 0          | 0            | 0  | 4    |
| PL.26523     | PL.26525    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.03            | 1.30                     | 3.06         | 2        | 23         | 4    | 99      | 0.01       | 0.0               | 1.600             | 0.259          | 0          | 0            | 0  | 3    |
| PL.26522     | PL.26523    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.700             | 0.101          | 0          | 0            | 0  | 0    |
| PD.342-B     | PL.26522    | C   | Open               | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.700             | 0.000          | 0          | 0            | 0  | 0    |
| PL.2695      | PL.26523    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.31                     | 2.34         | 1        | 17         | 3    | 98      | 0.00       | 0.0               | 1.709             | 0.109          | 0          | 0            | 0  | 2    |
| PL.2700      | PL.2695     | C   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.31                     | 1.19         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 1.825             | 0.116          | 0          | 0            | 0  | 1    |
| 435359       | PL.2700     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 1.19         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 1.825             | 0.000          | 9          | 2            | 1  | 1    |
| 435301       | PL.2695     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 1.14         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 1.709             | 0.000          | 8          | 2            | 1  | 1    |
| PL.2697      | PL.26523    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.72         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.647             | 0.048          | 0          | 0            | 0  | 1    |
| 435357       | PL.2697     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.72         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.647             | 0.000          | 5          | 1            | 1  | 1    |
| PL.2711      | PL.26525    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.26                     | 1.16         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 1.370             | 0.029          | 0          | 0            | 0  | 1    |
| 435370       | PL.2711     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.26                     | 1.16         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 1.370             | 0.000          | 9          | 2            | 1  | 1    |
| PL.2710      | PL.26524    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.25                     | 1.45         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 1.302             | 0.011          | 0          | 0            | 0  | 2    |
| 435354       | PL.2710     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.25                     | 0.59         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.302             | 0.000          | 4          | 1            | 1  | 1    |
| 435351       | PL.2710     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.25                     | 0.86         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.302             | 0.000          | 6          | 1            | 1  | 1    |

Unbalanced Voltage Drop Report  
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| 435303       | PL.14303    | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.24                     | 0.53         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.244                               | 0.000 | 4    | 1          | 1            | 1    |
| PL.3577      | PL.26526    | C   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.23                     | 1.18         | 1        | 9          | 2       | 98         | 0.00      | 0.0               | 1.254                               | 0.051 | 0    | 0          | 0            | 2    |
| 580909       | PL.3577     | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.82         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.254                               | 0.000 | 6    | 1          | 1            | 1    |
| 580902       | PL.3577     | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.36         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.254                               | 0.000 | 3    | 0          | 1            | 1    |
| PL.3578      | PL.26526    | C   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.81         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.237                               | 0.033 | 0    | 0          | 0            | 2    |
| 580907       | PL.3578     | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.58         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.237                               | 0.000 | 4    | 1          | 1            | 1    |
| 580911       | PL.3578     | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.237                               | 0.000 | 0    | 0          | 0            | 0    |
| 580903       | PL.3578     | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.237                               | 0.000 | 2    | 0          | 1            | 1    |
| 580904       | PL.18909    | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 1.10         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.176                               | 0.000 | 8    | 1          | 1            | 1    |
| 581901       | PL.26514    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.07         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.117                               | 0.000 | 0    | 0          | 1            | 1    |
| 581902       | PL.26514    | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.117                               | 0.000 | 2    | 0          | 1            | 1    |
| 582802       | PL.26513    | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.010                               | 0.000 | 7    | 1          | 1            | 1    |
| 582801       | PL.26513    | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 1.27         | 0        | 9          | 4       | 91         | 0.00      | 0.0               | 1.010                               | 0.000 | 9    | 4          | 1            | 1    |
| 582803       | PL.26513    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.010                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.3576      | PL.27593    | A   | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.86                     | 1.97         | 1        | 15         | 3       | 98         | 0.00      | 0.0               | 0.876                               | 0.064 | 0    | 0          | 0            | 3    |
|              |             | B   |                    | 7.52Y     | 125.4        | -0.00           | 0.59                     | 0.00         | 0        | 0          | 0       | 100        |           |                   | 0                                   | 0     | 0    | 0          | 0            |      |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.00            | 0.81                     | 0.00         | 0        | 0          | 0       | 100        |           |                   | 0                                   | 0     | 0    | 0          | 0            |      |
| PL.28077     | PL.3576     | A   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.86                     | 1.97         | 1        | 15         | 3       | 98         | 0.00      | 0.0               | 0.887                               | 0.012 | 0    | 0          | 0            | 3    |
| PD.2857      | PL.28077    | A   | fuse6AMP           | 7.51Y     | 125.1        | 0.00            | 0.86                     | 1.97         | 34       | 15         | 3       | 98         | 0.00      | 0.0               | 0.887                               | 0.000 | 0    | 0          | 0            | 3    |
| PL.28078     | PD.2857     | A   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.87                     | 1.97         | 1        | 15         | 3       | 98         | 0.00      | 0.0               | 0.942                               | 0.055 | 0    | 0          | 0            | 3    |
| PL.3574      | PL.28078    | A   | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.87                     | 1.97         | 1        | 15         | 3       | 98         | 0.00      | 0.0               | 1.001                               | 0.059 | 0    | 0          | 0            | 3    |
| PL.3575      | PL.3574     | A   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.87                     | 1.17         | 1        | 9          | 2       | 98         | 0.00      | 0.0               | 1.062                               | 0.062 | 0    | 0          | 0            | 1    |
| 582603       | PL.3575     | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87                     | 1.17         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 1.062                               | 0.000 | 9    | 2          | 1            | 1    |
| 582602       | PL.3574     | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.001                               | 0.000 | 6    | 1          | 1            | 1    |
| PL.7562      | PL.3574     | A   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.87                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.045                               | 0.045 | 0    | 0          | 0            | 1    |
| PL.6844      | PL.7562     | A   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.87                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.047                               | 0.002 | 0    | 0          | 0            | 0    |
| 582502       | PL.7562     | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.045                               | 0.000 | 0    | 0          | 0            | 0    |
| 582604       | PL.7562     | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.045                               | 0.000 | 0    | 0          | 0            | 0    |
| 582501       | PL.7562     | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.045                               | 0.000 | 0    | 0          | 1            | 1    |
| 583701       | PL.27593    | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.86                     | 0.69         | 0        | 5          | 2       | 93         | 0.00      | 0.0               | 0.812                               | 0.000 | 5    | 2          | 1            | 1    |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.00            | 0.59                     | 0.69         | 0        | 5          | 2       | 90         |           |                   | 5                                   | 2     | 1    | 1          |              |      |
| 583702       | PL.27593    | B   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.59                     | 1.27         | 0        | 9          | 4       | 91         | 0.00      | 0.0               | 0.812                               | 0.000 | 9    | 4          | 1            | 1    |
| 584704       | PL.27593    | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.81                     | 1.14         | 0        | 8          | 4       | 89         | 0.00      | 0.0               | 0.812                               | 0.000 | 8    | 4          | 1            | 1    |
| 584708       | PL.20758    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.82                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.757                               | 0.000 | 0    | 0          | 1            | 1    |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.00            | 0.74                     | 0.00         | 0        | 0          | 0       | 100        |           |                   | 0                                   | 0     | 1    | 1          |              |      |
| PL.28941     | PL.7556     | B   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.00            | 0.47                     | 9.34         | 5        | 69         | 11      | 99         | 0.00      | 0.0               | 0.670                               | 0.012 | 0    | 0          | 0            | 18   |
| C PD.3668    | PL.28941    | B   | fuse6AMP           | 7.53Y     | 125.5        | 0.00            | 0.47                     | 9.34         | 160      | 69         | 11      | 99         | 0.00      | 0.0               | 0.670                               | 0.000 | 0    | 0          | 0            | 18 C |
| PL.28942     | PD.3668     | B   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.00            | 0.47                     | 9.34         | 5        | 69         | 11      | 99         | 0.00      | 0.0               | 0.688                               | 0.017 | 0    | 0          | 0            | 18   |
| PL.14304     | PL.28942    | B   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.01            | 0.48                     | 9.34         | 5        | 69         | 11      | 99         | 0.01      | 0.0               | 0.743                               | 0.055 | 0    | 0          | 0            | 18   |
| 585803       | PL.14304    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.49         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 0.743                               | 0.000 | 4    | 1          | 1            | 1    |

Unbalanced Voltage Drop Report  
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| 585801       | PL.14304    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.26         | 0        | 2          | 0         | 100     | 0.00       | 0.0               | 0.743             | 0.000          | 2          | 0            | 1  | 1    |
| 585802       | PL.14304    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.12         | 0        | 1          | 0         | 100     | 0.00       | 0.0               | 0.743             | 0.000          | 1          | 0            | 1  | 1    |
| PL.21504     | PL.14304    | B   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.01            | 0.49                     | 8.48         | 4        | 63         | 10        | 99      | 0.00       | 0.0               | 0.788             | 0.045          | 0          | 0            | 0  | 15   |
| PL.21505     | PL.21504    | B   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.01            | 0.50                     | 7.86         | 4        | 58         | 10        | 99      | 0.00       | 0.0               | 0.835             | 0.046          | 0          | 0            | 0  | 14   |
| 586802       | PL.21505    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.25         | 0        | 2          | 0         | 100     | 0.00       | 0.0               | 0.835             | 0.000          | 2          | 0            | 1  | 1    |
| PL.26692     | PL.21505    | B   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.01            | 0.51                     | 7.61         | 4        | 57         | 9         | 99      | 0.00       | 0.0               | 0.891             | 0.056          | 0          | 0            | 0  | 13   |
| 587816       | PL.26692    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.35         | 0        | 3          | 0         | 100     | 0.00       | 0.0               | 0.891             | 0.000          | 3          | 0            | 1  | 1    |
| 587805       | PL.26692    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 1.39         | 0        | 10         | 2         | 98      | 0.00       | 0.0               | 0.891             | 0.000          | 10         | 2            | 1  | 1    |
| PL.19667     | PL.26692    | B   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.00            | 0.51                     | 1.95         | 1        | 14         | 2         | 99      | 0.00       | 0.0               | 0.939             | 0.048          | 0          | 0            | 0  | 5    |
| PL.19668     | PL.19667    | B   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.90         | 0        | 7          | 1         | 99      | 0.00       | 0.0               | 0.970             | 0.031          | 0          | 0            | 0  | 3    |
| 587901       | PL.19668    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.14         | 0        | 1          | 0         | 100     | 0.00       | 0.0               | 0.970             | 0.000          | 1          | 0            | 1  | 1    |
| 587906       | PL.19668    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.29         | 0        | 2          | 0         | 100     | 0.00       | 0.0               | 0.970             | 0.000          | 2          | 0            | 1  | 1    |
| 587813       | PL.19668    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.48         | 0        | 4          | 1         | 97      | 0.00       | 0.0               | 0.970             | 0.000          | 4          | 1            | 1  | 1    |
| PL.28952     | PL.19668    | B   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.00            | 0.51                     | -0.00        | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 0.977             | 0.007          | 0          | 0            | 0  | 0    |
| PD.3664-A    | PL.28952    | B   | Open               | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 0.977             | 0.000          | 0          | 0            | 0  | 0    |
| 587802       | PL.19667    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.48         | 0        | 4          | 1         | 97      | 0.00       | 0.0               | 0.939             | 0.000          | 4          | 1            | 1  | 1    |
| 587902       | PL.19667    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.57         | 0        | 4          | 1         | 97      | 0.00       | 0.0               | 0.939             | 0.000          | 4          | 1            | 1  | 1    |
| PL.29339     | PL.26692    | B   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.00            | 0.51                     | 3.93         | 2        | 29         | 5         | 99      | 0.00       | 0.0               | 0.929             | 0.038          | 0          | 0            | 0  | 6    |
| PL.6849      | PL.29339    | B   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.00            | 0.51                     | 2.68         | 1        | 20         | 3         | 99      | 0.00       | 0.0               | 0.963             | 0.034          | 0          | 0            | 0  | 4    |
| 587903       | PL.6849     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.36         | 0        | 3          | 0         | 100     | 0.00       | 0.0               | 0.963             | 0.000          | 3          | 0            | 1  | 1    |
| PL.25861     | PL.6849     | B   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.00            | 0.52                     | 2.32         | 1        | 17         | 3         | 98      | 0.00       | 0.0               | 1.017             | 0.054          | 0          | 0            | 0  | 3    |
| P PL.3584    | PL.25861    | B   | 1/0EPRJCN          | 7.53Y     | 125.5        | -0.00           | 0.52                     | -0.03        | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 1.062             | 0.044          | 0          | 0            | 0  | 0 P  |
| 5879008      | PL.25861    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.63         | 0        | 5          | 1         | 98      | 0.00       | 0.0               | 1.017             | 0.000          | 5          | 1            | 1  | 1    |
| PL.25860     | PL.25861    | B   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.00            | 0.52                     | 1.70         | 1        | 13         | 2         | 99      | 0.00       | 0.0               | 1.040             | 0.022          | 0          | 0            | 0  | 2    |
| 5879007      | PL.25860    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.46         | 0        | 3          | 1         | 95      | 0.00       | 0.0               | 1.040             | 0.000          | 3          | 1            | 1  | 1    |
| 587904       | PL.25860    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 1.040             | 0.000          | 0          | 0            | 0  | 0    |
| 587905       | PL.25860    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 1.25         | 0        | 9          | 2         | 98      | 0.00       | 0.0               | 1.040             | 0.000          | 9          | 2            | 1  | 1    |
| 587811       | PL.29339    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.41         | 0        | 3          | 1         | 95      | 0.00       | 0.0               | 0.929             | 0.000          | 3          | 1            | 1  | 1    |
| 587817       | PL.29339    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.87         | 0        | 6          | 1         | 99      | 0.00       | 0.0               | 0.929             | 0.000          | 6          | 1            | 1  | 1    |
| 586805       | PL.21504    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.63         | 0        | 5          | 1         | 98      | 0.00       | 0.0               | 0.788             | 0.000          | 5          | 1            | 1  | 1    |
| 585804       | PL.28942    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.47                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 0.688             | 0.000          | 0          | 0            | 0  | 0    |
| PL.206       | PL.7556     | A   | 1/0ACSR            | 7.51Y     | 125.2        | 0.00            | 0.76                     | 34.45        | 10       | 252        | -58       | -97     | 0.02       | 0.0               | 0.669             | 0.011          | 0          | 0            | 0  | 52   |
| P            |             | B   |                    | 7.53Y     | 125.5        | -0.00           | 0.46                     | 15.11        | 5        | 55         | -99       | -49     |            |                   |                   |                | 0          | 0            | 0  | 12 P |
|              |             | C   |                    | 7.52Y     | 125.4        | 0.00            | 0.62                     | 18.66        | 6        | 104        | -94       | -74     |            |                   |                   |                | 0          | 0            | 0  | 13   |
| PL.19859     | PL.206      | A   | 1/0ACSR            | 7.51Y     | 125.2        | 0.01            | 0.76                     | 34.45        | 10       | 252        | -58       | -97     | 0.02       | 0.0               | 0.681             | 0.012          | 0          | 0            | 0  | 52   |
| P            |             | B   |                    | 7.53Y     | 125.5        | -0.00           | 0.46                     | 15.11        | 5        | 55         | -100      | -49     |            |                   |                   |                | 0          | 0            | 0  | 12 P |
|              |             | C   |                    | 7.52Y     | 125.4        | 0.00            | 0.62                     | 18.66        | 6        | 104        | -94       | -74     |            |                   |                   |                | 0          | 0            | 0  | 13   |
| PL.19860     | PL.19859    | A   | 1/0ACSR            | 7.50Y     | 125.0        | 0.22            | 0.98                     | 34.23        | 10       | 252        | 51        | 98      | 0.44       | 0.1               | 1.009             | 0.327          | 0          | 0            | 0  | 52   |
|              |             | B   |                    | 7.53Y     | 125.6        | -0.03           | 0.43                     | 7.45         | 2        | 55         | 10        | 98      |            |                   |                   |                | 0          | 0            | 0  | 12   |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.12            | 0.74                     | 13.96        | 4        | 104        | 15        | 99      |            |                   |                   |                | 0          | 0            | 0  | 13   |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report  
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name  | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|---------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|----|------------|--------------|------|
|               |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW |            |              | KVAR |
| PL.104        | PL.19860    | A   | 1/0ACSR            | 7.50Y     | 125.0        | 0.02            | 1.00                     | 34.23        | 10       | 252        | 50   | 98      | 0.05       | 0.0               | 1.046          | 0.037             | 0  | 0          | 0            | 52   |
|               |             | B   |                    | 7.53Y     | 125.6        | -0.00           | 0.42                     | 7.45         | 2        | 55         | 10   | 98      |            |                   |                |                   | 0  | 0          | 0            | 12   |
|               |             | C   |                    | 7.51Y     | 125.2        | 0.01            | 0.75                     | 13.96        | 4        | 104        | 15   | 99      |            |                   |                |                   | 0  | 0          | 0            | 13   |
| PL.18595      | PL.104      | A   | 1/0ACSR            | 7.50Y     | 125.0        | 0.01            | 1.02                     | 34.23        | 10       | 252        | 50   | 98      | 0.02       | 0.0               | 1.062          | 0.017             | 0  | 0          | 0            | 52   |
|               |             | B   |                    | 7.53Y     | 125.6        | -0.00           | 0.42                     | 5.70         | 2        | 42         | 8    | 98      |            |                   |                |                   | 0  | 0          | 0            | 9    |
|               |             | C   |                    | 7.51Y     | 125.2        | 0.00            | 0.75                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    |
| PD.2450       | PL.18595    | A   | 50L                | 7.50Y     | 125.0        | 0.00            | 1.02                     | 34.23        | 68       | 252        | 50   | 98      | 0.00       | 0.0               | 1.062          | 0.000             | 0  | 0          | 0            | 52   |
|               |             | B   |                    | 7.53Y     | 125.6        | 0.00            | 0.42                     | 5.70         | 11       | 42         | 8    | 98      |            |                   |                |                   | 0  | 0          | 0            | 9    |
|               |             | C   |                    | 7.51Y     | 125.2        | 0.00            | 0.75                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    |
| PL.18596      | PD.2450     | A   | 1/0ACSR            | 7.50Y     | 124.9        | 0.05            | 1.07                     | 34.23        | 10       | 252        | 50   | 98      | 0.08       | 0.0               | 1.129          | 0.067             | 0  | 0          | 0            | 52   |
|               |             | B   |                    | 7.54Y     | 125.6        | -0.01           | 0.41                     | 5.70         | 2        | 42         | 8    | 98      |            |                   |                |                   | 0  | 0          | 0            | 9    |
|               |             | C   |                    | 7.51Y     | 125.2        | 0.01            | 0.76                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    |
| PL.6754       | PL.18596    | B   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.41                     | 5.71         | 3        | 42         | 8    | 98      | 0.00       | 0.0               | 1.150          | 0.020             | 0  | 0          | 0            | 9    |
| PL.6755       | PL.6754     | B   | 4ACSR              | 7.53Y     | 125.6        | 0.01            | 0.42                     | 3.36         | 2        | 25         | 4    | 99      | 0.00       | 0.0               | 1.191          | 0.041             | 0  | 0          | 0            | 7    |
| PL.14558      | PL.6755     | B   | 4ACSR              | 7.53Y     | 125.6        | 0.00            | 0.42                     | 3.36         | 2        | 25         | 4    | 99      | 0.00       | 0.0               | 1.213          | 0.022             | 0  | 0          | 0            | 7    |
| PL.14559      | PL.14558    | B   | 4ACSR              | 7.53Y     | 125.6        | 0.00            | 0.43                     | 2.65         | 1        | 20         | 4    | 98      | 0.00       | 0.0               | 1.252          | 0.038             | 0  | 0          | 0            | 5    |
| PL.2701       | PL.14559    | B   | 4ACSR              | 7.53Y     | 125.6        | 0.00            | 0.43                     | 1.82         | 1        | 14         | 2    | 99      | 0.00       | 0.0               | 1.285          | 0.033             | 0  | 0          | 0            | 3    |
| 4363103       | PL.2701     | B   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.43                     | 0.27         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.285          | 0.000             | 2  | 0          | 1            | 1    |
| 4363101       | PL.2701     | B   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.43                     | 0.72         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.285          | 0.000             | 5  | 1          | 1            | 1    |
| 4363102       | PL.2701     | B   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.43                     | 0.84         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.285          | 0.000             | 6  | 1          | 1            | 1    |
| 4363100       | PL.14559    | B   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.43                     | 0.43         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.252          | 0.000             | 3  | 1          | 1            | 1    |
| PL.14560      | PL.14559    | B   | 4ACSR              | 7.53Y     | 125.6        | 0.00            | 0.43                     | 0.40         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.271          | 0.019             | 0  | 0          | 0            | 1    |
| 4363104       | PL.14560    | B   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.43                     | 0.40         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.271          | 0.000             | 3  | 1          | 1            | 1    |
| 436399        | PL.14558    | B   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.42                     | 0.51         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.213          | 0.000             | 4  | 1          | 1            | 1    |
| 436398        | PL.14558    | B   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.42                     | 0.19         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.213          | 0.000             | 1  | 0          | 1            | 1    |
| 436396        | PL.6754     | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.41                     | 1.27         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 1.150          | 0.000             | 9  | 2          | 1            | 1    |
| 436397        | PL.6754     | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.41                     | 1.08         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 1.150          | 0.000             | 8  | 1          | 1            | 1    |
| P<br>PL.14555 | PL.18596    | A   | 1/0ACSR            | 7.50Y     | 124.9        | 0.01            | 1.08                     | 34.23        | 10       | 252        | 50   | 98      | 0.02       | 0.0               | 1.146          | 0.016             | 0  | 0          | 0            | 52   |
|               |             | B   |                    | 7.54Y     | 125.6        | -0.01           | 0.40                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0 P  |
|               |             | C   |                    | 7.51Y     | 125.2        | 0.00            | 0.76                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    |
| P<br>PL.14556 | PL.14555    | A   | 1/0ACSR            | 7.49Y     | 124.9        | 0.01            | 1.09                     | 34.23        | 10       | 252        | 50   | 98      | 0.02       | 0.0               | 1.164          | 0.018             | 0  | 0          | 0            | 52   |
|               |             | B   |                    | 7.54Y     | 125.6        | -0.01           | 0.40                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0 P  |
|               |             | C   |                    | 7.51Y     | 125.2        | 0.00            | 0.77                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    |
| P<br>PL.14557 | PL.14556    | A   | 1/0ACSR            | 7.49Y     | 124.9        | 0.04            | 1.13                     | 34.23        | 10       | 252        | 50   | 98      | 0.06       | 0.0               | 1.214          | 0.050             | 0  | 0          | 0            | 52   |
|               |             | B   |                    | 7.54Y     | 125.6        | -0.02           | 0.38                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0 P  |
|               |             | C   |                    | 7.51Y     | 125.2        | 0.01            | 0.77                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    |
| 589006        | PL.14557    | A   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.13                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.214          | 0.000             | 0  | 0          | 0            | 0    |
| 589004        | PL.14557    | A   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.13                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.214          | 0.000             | 0  | 0          | 0            | 0    |
| P<br>PL.14561 | PL.14557    | A   | 1/0ACSR            | 7.49Y     | 124.8        | 0.03            | 1.16                     | 34.23        | 10       | 252        | 50   | 98      | 0.05       | 0.0               | 1.251          | 0.037             | 0  | 0          | 0            | 52   |
|               |             | B   |                    | 7.54Y     | 125.6        | -0.01           | 0.37                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0 P  |
|               |             | C   |                    | 7.51Y     | 125.2        | 0.01            | 0.78                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    |
| P<br>PL.14562 | PL.14561    | A   | 1/0ACSR            | 7.49Y     | 124.8        | 0.03            | 1.19                     | 32.80        | 10       | 241        | 48   | 98      | 0.05       | 0.0               | 1.290          | 0.040             | 0  | 0          | 0            | 50   |
|               |             | B   |                    | 7.54Y     | 125.6        | -0.01           | 0.36                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0 P  |
|               |             | C   |                    | 7.51Y     | 125.2        | 0.01            | 0.78                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    |
| 5800008       | PL.14562    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.19                     | 1.14         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 1.290          | 0.000             | 8  | 2          | 1            | 1    |
| 580006        | PL.14562    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.19                     | 1.27         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 1.290          | 0.000             | 9  | 2          | 1            | 1    |
| 580013        | PL.14562    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.19                     | 1.11         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 1.290          | 0.000             | 8  | 1          | 1            | 1    |

Unbalanced Voltage Drop Report
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for elements PL.29186, PL.29192, PD.3667-A, etc.

Unbalanced Voltage Drop Report
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes rows for various elements like 589902, 580004, etc., and a summary row for PL.29187.

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for elements PL.102, PL.103, PL.14563, PL.14564, PL.14565, PL.14215, 436364, PL.14216, 436395, 436394, 436393, 436392, 436391, 436390, 4363107, 4363105, 436350, 436389, 436387, 580012, 580010, 589003, PL.14552, PL.14553, PL.6737, PL.18973.

Unbalanced Voltage Drop Report
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.18972, PL.46067, PD.343-A, etc.

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low



Unbalanced Voltage Drop Report
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for various elements like PD.3875-B, PL.6738, etc.

Unbalanced Voltage Drop Report  
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf    | Type/<br>Conductor | Pri<br>kV      | Base<br>Volt   | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |              | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR     | Cons<br>On | Cons<br>Thru |        |
|--------------|-------------|--------|--------------------|----------------|----------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|--------------|-------------------|-------------------------------------|-------|----------|------------|--------------|--------|
|              |             |        |                    |                |                |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss    |                   |                                     |       |          |            |              |        |
| 584610       | PL.3583     | C      | Consumer           | 7.53Y          | 125.5          | 0.00            | 0.55                     | 0.03         | 0        | 0          | 0         | 100        | 0.00         | 0.0               | 0.613                               | 0.000 | 0        | 0          | 1            | 1      |
| 584601       | PL.3583     | C      | Consumer           | 7.53Y          | 125.5          | 0.00            | 0.55                     | 0.29         | 0        | 2          | 0         | 100        | 0.00         | 0.0               | 0.613                               | 0.000 | 2        | 0          | 1            | 1      |
| 584608       | PL.3583     | C      | Consumer           | 7.53Y          | 125.5          | 0.00            | 0.55                     | 0.00         | 0        | 0          | 0         | 100        | 0.00         | 0.0               | 0.613                               | 0.000 | 0        | 0          | 0            | 0      |
| 584603       | PL.3583     | C      | Consumer           | 7.53Y          | 125.5          | 0.00            | 0.55                     | 1.82         | 0        | 13         | 4         | 96         | 0.00         | 0.0               | 0.613                               | 0.000 | 13       | 4          | 2            | 2      |
| 584604       | PL.3583     | C      | Consumer           | 7.53Y          | 125.5          | 0.00            | 0.55                     | 0.00         | 0        | 0          | 0         | 100        | 0.00         | 0.0               | 0.613                               | 0.000 | 0        | 0          | 0            | 0      |
| 584611       | PL.3583     | C      | Consumer           | 7.53Y          | 125.5          | 0.00            | 0.55                     | 0.12         | 0        | 1          | 0         | 100        | 0.00         | 0.0               | 0.613                               | 0.000 | 1        | 0          | 1            | 1      |
| 584702       | PL.30985    | C      | Consumer           | 7.53Y          | 125.5          | 0.00            | 0.54                     | 0.35         | 0        | 3          | 0         | 100        | 0.00         | 0.0               | 0.570                               | 0.000 | 3        | 0          | 1            | 1      |
| 584706       | PL.30985    | A<br>C | Consumer           | 7.52Y<br>7.53Y | 125.3<br>125.5 | 0.00<br>0.00    | 0.65<br>0.54             | 0.00<br>0.00 | 0        | 0          | 0         | 100<br>100 | 0.00<br>0.00 | 0.0               | 0.570                               | 0.000 | 0<br>0   | 0<br>0     | 1<br>1       | 1<br>1 |
| 584710       | PL.30985    | A<br>C | Consumer           | 7.52Y<br>7.53Y | 125.3<br>125.5 | 0.00<br>0.00    | 0.65<br>0.54             | 0.10<br>0.10 | 0        | 1<br>1     | 0<br>0    | 100<br>90  | 0.00<br>0.00 | 0.0               | 0.570                               | 0.000 | 1<br>1   | 0<br>0     | 1<br>1       | 1<br>1 |
| 584709       | PL.30985    | A<br>C | Consumer           | 7.52Y<br>7.53Y | 125.3<br>125.5 | 0.00<br>0.00    | 0.65<br>0.54             | 0.43<br>0.43 | 0        | 3<br>3     | 1<br>1    | 95<br>90   | 0.00<br>0.00 | 0.0               | 0.570                               | 0.000 | 3<br>3   | 1<br>1     | 1<br>1       | 1<br>1 |
| 584701       | PL.30985    | A<br>C | Consumer           | 7.52Y<br>7.53Y | 125.3<br>125.5 | 0.00<br>0.00    | 0.65<br>0.54             | 1.59<br>1.59 | 0        | 11<br>11   | 5<br>5    | 91<br>90   | 0.00<br>0.00 | 0.0               | 0.570                               | 0.000 | 11<br>11 | 5<br>5     | 1<br>1       | 1<br>1 |
| 584705       | PL.30985    | C      | Consumer           | 7.53Y          | 125.5          | 0.00            | 0.54                     | 0.00         | 0        | 0          | 0         | 100        | 0.00         | 0.0               | 0.570                               | 0.000 | 0        | 0          | 0            | 0      |
| PL.26502     | PL.18971    | B      | 4ACSR              | 7.54Y          | 125.6          | 0.03            | 0.37                     | 15.51        | 8        | 115        | 22        | 98         | 0.02         | 0.0               | 0.426                               | 0.039 | 0        | 0          | 0            | 30     |
| PL.26503     | PL.26502    | B      | 4ACSR              | 7.54Y          | 125.6          | 0.02            | 0.40                     | 13.40        | 7        | 99         | 18        | 98         | 0.02         | 0.0               | 0.464                               | 0.038 | 0        | 0          | 0            | 26     |
| PL.26504     | PL.26503    | B      | 4ACSR              | 7.54Y          | 125.6          | 0.01            | 0.41                     | 9.47         | 5        | 70         | 13        | 98         | 0.01         | 0.0               | 0.492                               | 0.027 | 0        | 0          | 0            | 21     |
| 586607       | PL.26504    | B      | Consumer           | 7.54Y          | 125.6          | 0.00            | 0.41                     | 0.17         | 0        | 1          | 0         | 100        | 0.00         | 0.0               | 0.492                               | 0.000 | 1        | 0          | 1            | 1      |
| 586605       | PL.26504    | B      | Consumer           | 7.54Y          | 125.6          | 0.00            | 0.41                     | 0.10         | 0        | 1          | 0         | 100        | 0.00         | 0.0               | 0.492                               | 0.000 | 1        | 0          | 1            | 1      |
| 586611       | PL.26504    | B      | Consumer           | 7.54Y          | 125.6          | 0.00            | 0.41                     | 0.54         | 0        | 4          | 1         | 97         | 0.00         | 0.0               | 0.492                               | 0.000 | 4        | 1          | 1            | 1      |
| 586606       | PL.26504    | B      | Consumer           | 7.54Y          | 125.6          | 0.00            | 0.41                     | 0.28         | 0        | 2          | 0         | 100        | 0.00         | 0.0               | 0.492                               | 0.000 | 2        | 0          | 1            | 1      |
| PL.7554      | PL.26504    | B      | 4ACSR              | 7.53Y          | 125.6          | 0.01            | 0.42                     | 8.38         | 4        | 62         | 11        | 98         | 0.01         | 0.0               | 0.523                               | 0.031 | 0        | 0          | 0            | 17     |
| 587610       | PL.7554     | B      | Consumer           | 7.53Y          | 125.6          | 0.00            | 0.42                     | 0.29         | 0        | 2          | 0         | 100        | 0.00         | 0.0               | 0.523                               | 0.000 | 2        | 0          | 1            | 1      |
| 587611       | PL.7554     | B      | Consumer           | 7.53Y          | 125.6          | 0.00            | 0.42                     | 0.42         | 0        | 3          | 1         | 95         | 0.00         | 0.0               | 0.523                               | 0.000 | 3        | 1          | 1            | 1      |
| 586612       | PL.7554     | B      | Consumer           | 7.53Y          | 125.6          | 0.00            | 0.42                     | 1.15         | 0        | 9          | 2         | 98         | 0.00         | 0.0               | 0.523                               | 0.000 | 9        | 2          | 1            | 1      |
| PL.26505     | PL.7554     | B      | 4ACSR              | 7.53Y          | 125.6          | 0.01            | 0.42                     | 6.52         | 3        | 48         | 9         | 98         | 0.00         | 0.0               | 0.543                               | 0.020 | 0        | 0          | 0            | 14     |
| 587605       | PL.26505    | B      | Consumer           | 7.53Y          | 125.6          | 0.00            | 0.42                     | 0.60         | 0        | 4          | 1         | 97         | 0.00         | 0.0               | 0.543                               | 0.000 | 4        | 1          | 1            | 1      |
| 587617       | PL.26505    | B      | Consumer           | 7.53Y          | 125.6          | 0.00            | 0.42                     | 0.00         | 0        | 0          | 0         | 100        | 0.00         | 0.0               | 0.543                               | 0.000 | 0        | 0          | 1            | 1      |
| PL.26506     | PL.26505    | B      | 4ACSR              | 7.53Y          | 125.6          | 0.02            | 0.44                     | 5.91         | 3        | 44         | 8         | 98         | 0.01         | 0.0               | 0.617                               | 0.074 | 0        | 0          | 0            | 12     |
| 587603       | PL.26506    | B      | Consumer           | 7.53Y          | 125.6          | 0.00            | 0.44                     | 0.26         | 0        | 2          | 0         | 100        | 0.00         | 0.0               | 0.617                               | 0.000 | 2        | 0          | 1            | 1      |
| 587615       | PL.26506    | B      | Consumer           | 7.53Y          | 125.6          | 0.00            | 0.44                     | 0.13         | 0        | 1          | 0         | 100        | 0.00         | 0.0               | 0.617                               | 0.000 | 1        | 0          | 1            | 1      |
| 587601       | PL.26506    | B      | Consumer           | 7.53Y          | 125.6          | 0.00            | 0.44                     | 0.40         | 0        | 3          | 1         | 95         | 0.00         | 0.0               | 0.617                               | 0.000 | 3        | 1          | 1            | 1      |
| 587606       | PL.26506    | B      | Consumer           | 7.53Y          | 125.6          | 0.00            | 0.44                     | 0.10         | 0        | 1          | 0         | 100        | 0.00         | 0.0               | 0.617                               | 0.000 | 1        | 0          | 1            | 1      |
| PL.23096     | PL.26506    | B      | 4ACSR              | 7.53Y          | 125.6          | 0.00            | 0.45                     | 2.46         | 1        | 18         | 3         | 99         | 0.00         | 0.0               | 0.657                               | 0.040 | 0        | 0          | 0            | 4      |
| 587602       | PL.23096    | B      | Consumer           | 7.53Y          | 125.6          | 0.00            | 0.45                     | 0.56         | 0        | 4          | 1         | 97         | 0.00         | 0.0               | 0.657                               | 0.000 | 4        | 1          | 1            | 1      |
| 587616       | PL.23096    | B      | Consumer           | 7.53Y          | 125.6          | 0.00            | 0.45                     | 0.09         | 0        | 1          | 0         | 100        | 0.00         | 0.0               | 0.657                               | 0.000 | 1        | 0          | 1            | 1      |
| 587604       | PL.23096    | B      | Consumer           | 7.53Y          | 125.6          | 0.00            | 0.45                     | 1.29         | 0        | 10         | 2         | 98         | 0.00         | 0.0               | 0.657                               | 0.000 | 10       | 2          | 1            | 1      |
| 587607       | PL.23096    | B      | Consumer           | 7.53Y          | 125.6          | 0.00            | 0.45                     | 0.53         | 0        | 4          | 1         | 97         | 0.00         | 0.0               | 0.657                               | 0.000 | 4        | 1          | 1            | 1      |

Unbalanced Voltage Drop Report  
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 587614       | PL.23096    | B   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.45   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.657                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.26507     | PL.26506    | B   | 4ACSR              | 7.53Y     | 125.6        | 0.01            | 0.45   | 2.56         | 1        | 19         | 3       | 99         | 0.00      | 0.0               | 0.670                               | 0.053 | 0    | 0          | 0            | 4 |
| PL.7552      | PL.26507    | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.45   | 1.29         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 0.703                               | 0.033 | 0    | 0          | 0            | 2 |
| 587609       | PL.7552     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.45   | 0.59         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 0.703                               | 0.000 | 4    | 1          | 1            | 1 |
| 587613       | PL.7552     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.45   | 0.71         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 0.703                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.7553      | PL.7552     | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.45   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.748                               | 0.045 | 0    | 0          | 0            | 0 |
| 588603       | PL.7553     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.45   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.748                               | 0.000 | 0    | 0          | 0            | 0 |
| 588601       | PL.26507    | B   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.45   | 0.56         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 0.670                               | 0.000 | 4    | 1          | 1            | 1 |
| 588602       | PL.26507    | B   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.45   | 0.70         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 0.670                               | 0.000 | 5    | 1          | 1            | 1 |
| 586613       | PL.26503    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40   | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 0.464                               | 0.000 | 7    | 1          | 1            | 1 |
| 586603       | PL.26503    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40   | 0.99         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 0.464                               | 0.000 | 7    | 1          | 1            | 1 |
| 586602       | PL.26503    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40   | 0.32         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.464                               | 0.000 | 2    | 0          | 1            | 1 |
| 586608       | PL.26503    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40   | 0.65         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 0.464                               | 0.000 | 5    | 1          | 1            | 1 |
| 586609       | PL.26503    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40   | 1.04         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 0.464                               | 0.000 | 8    | 1          | 1            | 1 |
| 586604       | PL.26502    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37   | 0.25         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.426                               | 0.000 | 2    | 0          | 1            | 1 |
| 586614       | PL.26502    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.426                               | 0.000 | 0    | 0          | 0            | 0 |
| 586505       | PL.26502    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37   | 0.68         | 0        | 5          | 2       | 93         | 0.00      | 0.0               | 0.426                               | 0.000 | 5    | 2          | 1            | 1 |
| 586610       | PL.26502    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37   | 0.61         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 0.426                               | 0.000 | 5    | 1          | 1            | 1 |
| 586601       | PL.26502    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37   | 0.59         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 0.426                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.22261     | PL.26501    | B   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.20   | 1.70         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 0.231                               | 0.006 | 0    | 0          | 0            | 3 |
| PD.2861      | PL.22261    | B   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.20   | 1.70         | 29       | 13         | 2       | 99         | 0.00      | 0.0               | 0.231                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.22262     | PD.2861     | B   | 4ACSR              | 7.55Y     | 125.8        | 0.01            | 0.21   | 1.70         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 0.328                               | 0.097 | 0    | 0          | 0            | 3 |
| 585502       | PL.22262    | B   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.328                               | 0.000 | 0    | 0          | 0            | 0 |
| 585402       | PL.22262    | B   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21   | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.328                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.23058     | PL.22262    | B   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.22   | 1.69         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 0.388                               | 0.060 | 0    | 0          | 0            | 2 |
| PL.23099     | PL.23058    | B   | 4ACSR              | 7.55Y     | 125.8        | 0.01            | 0.23   | 1.69         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 0.545                               | 0.157 | 0    | 0          | 0            | 2 |
| 583603       | PL.23099    | B   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23   | 1.69         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 0.545                               | 0.000 | 13   | 2          | 1            | 1 |
| 583602       | PL.23099    | B   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.545                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.23104     | PL.23099    | B   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.23   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.592                               | 0.048 | 0    | 0          | 0            | 1 |
| 583502       | PL.23104    | B   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.592                               | 0.000 | 0    | 0          | 0            | 0 |
| 583501       | PL.23104    | B   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.592                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.18407     | PL.26499    | A   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.19   | 2.81         | 1        | 21         | 4       | 98         | 0.00      | 0.0               | 0.163                               | 0.003 | 0    | 0          | 0            | 6 |
| PD.2860      | PL.18407    | A   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.19   | 2.81         | 48       | 21         | 4       | 98         | 0.00      | 0.0               | 0.163                               | 0.000 | 0    | 0          | 0            | 6 |
| PL.18406     | PD.2860     | A   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.19   | 2.81         | 1        | 21         | 4       | 98         | 0.00      | 0.0               | 0.168                               | 0.005 | 0    | 0          | 0            | 6 |
| PL.26500     | PL.18406    | A   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.19   | 1.67         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 0.198                               | 0.029 | 0    | 0          | 0            | 2 |
| 585404       | PL.26500    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.198                               | 0.000 | 0    | 0          | 0            | 0 |
| 586406       | PL.26500    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19   | 1.63         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 0.198                               | 0.000 | 12   | 2          | 1            | 1 |
| 585403       | PL.26500    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19   | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.198                               | 0.000 | 0    | 0          | 1            | 1 |

Unbalanced Voltage Drop Report  
Source: REID VILLAGE

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |               |              |          |            |           |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|---------------|--------------|----------|------------|-----------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | -Base Voltage:120.0-     | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PL.7555      | PL.26500    | A   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.19                     | 0.00          | 0            | 0        | 0          | 100       | 0.00       | 0.0               | 0.235             | 0.038          | 0          | 0            | 0  | 0    |
| 586408       | PL.18406    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 0.26          | 0            | 2        | 0          | 100       | 0.00       | 0.0               | 0.168             | 0.000          | 2          | 0            | 1  | 1    |
| 586407       | PL.18406    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 0.00          | 0            | 0        | 0          | 100       | 0.00       | 0.0               | 0.168             | 0.000          | 0          | 0            | 1  | 1    |
| 586403       | PL.18406    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 0.50          | 0            | 4        | 1          | 97        | 0.00       | 0.0               | 0.168             | 0.000          | 4          | 1            | 1  | 1    |
| 586404       | PL.18406    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 0.37          | 0            | 3        | 1          | 95        | 0.00       | 0.0               | 0.168             | 0.000          | 3          | 1            | 1  | 1    |
| PL.18898     | PL.26499    | A   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.19                     | 2.18          | 1            | 16       | 3          | 98        | 0.00       | 0.0               | 0.172             | 0.012          | 0          | 0            | 0  | 4    |
| PD.2871      | PL.18898    | A   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 2.18          | 37           | 16       | 3          | 98        | 0.00       | 0.0               | 0.172             | 0.000          | 0          | 0            | 0  | 4    |
| PL.18899     | PD.2871     | A   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.20                     | 2.18          | 1            | 16       | 3          | 98        | 0.00       | 0.0               | 0.221             | 0.049          | 0          | 0            | 0  | 4    |
| PL.7551      | PL.18899    | A   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.20                     | 0.94          | 0            | 7        | 1          | 99        | 0.00       | 0.0               | 0.247             | 0.026          | 0          | 0            | 0  | 1    |
| 587402       | PL.7551     | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20                     | 0.94          | 0            | 7        | 1          | 99        | 0.00       | 0.0               | 0.247             | 0.000          | 7          | 1            | 1  | 1    |
| 587403       | PL.18899    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20                     | 0.48          | 0            | 4        | 1          | 97        | 0.00       | 0.0               | 0.221             | 0.000          | 4          | 1            | 1  | 1    |
| 587401       | PL.18899    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20                     | 0.34          | 0            | 3        | 0          | 100       | 0.00       | 0.0               | 0.221             | 0.000          | 3          | 0            | 1  | 1    |
| 587404       | PL.18899    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20                     | 0.00          | 0            | 0        | 0          | 100       | 0.00       | 0.0               | 0.221             | 0.000          | 0          | 0            | 0  | 0    |
| 586402       | PL.18899    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20                     | 0.43          | 0            | 3        | 1          | 95        | 0.00       | 0.0               | 0.221             | 0.000          | 3          | 1            | 1  | 1    |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

|      | Load | Adjustment | Capacitance | Charging | Gen&Motors | Loops&Metas | Losses | No Load | Losses | Total |
|------|------|------------|-------------|----------|------------|-------------|--------|---------|--------|-------|
| KW   | 5011 | 0          | 0           | 0        | 0          | 0           | 94     |         | 0.00   | 5105  |
| KVAR | 1022 | 0          | -328        | -21      | 0          | 0           | 114    |         |        | 787   |

|                                     |                                  |                              |
|-------------------------------------|----------------------------------|------------------------------|
| Lowest Voltage                      | Highest Accumulated Voltage Drop | Highest Element Voltage Drop |
| A-Phase -> 121.82 volts on PL.39235 | 4.18 volts on PL.39235           | 0.91 volts on PL.12302       |
| B-Phase -> 119.72 volts on PL.39235 | 6.28 volts on PL.39235           | 1.54 volts on PL.12302       |
| C-Phase -> 121.58 volts on PL.24786 | 4.42 volts on PL.24786           | 0.43 volts on PL.12302       |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 3 (SIDEVIEW3) Beginning with Device PD.3909.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PL.42986     | PL.42981    | A   | 336ACSR            | 7.54Y     | 125.6        | 0.06            | 0.37                     | 79.95        | 11       | 598        | 75   | 99      | 0.61       | 0.0               | 0.759             | 0.174          | 0          | 0            | 0  | 112  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.01                     | 31.03        | 4        | 233        | 25   | 99      |            |                   |                   |                | 0          | 0            | 0  | 40   |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.12            | 0.70                     | 67.46        | 9        | 504        | 59   | 99      |            |                   |                   |                | 0          | 0            | 0  | 71   |
| PL.42996     | PL.42986    | C   | 2ACSR              | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.83         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 0.763             | 0.003          | 0          | 0            | 0  | 2    |
| PD.8559      | PL.42996    | C   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.83         | 14       | 6          | 1    | 99      | 0.00       | 0.0               | 0.763             | 0.000          | 0          | 0            | 0  | 2    |
| PL.42997     | PD.8559     | C   | 2ACSR              | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.83         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 0.794             | 0.031          | 0          | 0            | 0  | 2    |
| 482613       | PL.42997    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.79         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 0.794             | 0.000          | 6          | 1            | 1  | 1    |
| 482623       | PL.42997    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.04         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.794             | 0.000          | 0          | 0            | 1  | 1    |
| PL.42989     | PL.42986    | A   | 336ACSR            | 7.54Y     | 125.6        | 0.01            | 0.38                     | 79.95        | 11       | 598        | 74   | 99      | 0.14       | 0.0               | 0.799             | 0.040          | 0          | 0            | 0  | 112  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.01                     | 31.03        | 4        | 233        | 25   | 99      |            |                   |                   |                | 0          | 0            | 0  | 40   |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.03            | 0.73                     | 66.63        | 9        | 498        | 57   | 99      |            |                   |                   |                | 0          | 0            | 0  | 69   |
| PL.42992     | PL.42989    | A   | 336ACSR            | 7.54Y     | 125.6        | 0.01            | 0.39                     | 75.83        | 10       | 567        | 71   | 99      | 0.09       | 0.0               | 0.827             | 0.028          | 0          | 0            | 0  | 107  |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.00            | 0.01                     | 31.03        | 4        | 233        | 25   | 99      |            |                   |                   |                | 0          | 0            | 0  | 40   |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.02            | 0.75                     | 66.63        | 9        | 498        | 57   | 99      |            |                   |                   |                | 0          | 0            | 0  | 69   |
| PL.43008     | PL.42992    | A   | 336ACSR            | 7.54Y     | 125.6        | 0.01            | 0.41                     | 75.83        | 10       | 567        | 71   | 99      | 0.14       | 0.0               | 0.870             | 0.043          | 0          | 0            | 0  | 107  |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.00            | 0.01                     | 31.03        | 4        | 233        | 25   | 99      |            |                   |                   |                | 0          | 0            | 0  | 40   |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.03            | 0.77                     | 66.46        | 9        | 496        | 57   | 99      |            |                   |                   |                | 0          | 0            | 0  | 68   |
| PL.43010     | PL.43008    | C   | 2ACSR              | 7.51Y     | 125.2        | 0.00            | 0.77                     | 1.56         | 1        | 12         | 1    | 100     | 0.00       | 0.0               | 0.874             | 0.004          | 0          | 0            | 0  | 1    |
| PD.8561      | PL.43010    | C   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 1.56         | 27       | 12         | 1    | 100     | 0.00       | 0.0               | 0.874             | 0.000          | 0          | 0            | 0  | 1    |
| PL.43011     | PD.8561     | C   | 2ACSR              | 7.51Y     | 125.2        | 0.00            | 0.78                     | 1.56         | 1        | 12         | 1    | 100     | 0.00       | 0.0               | 0.930             | 0.055          | 0          | 0            | 0  | 1    |
| 482612       | PL.43011    | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.78                     | 1.56         | 0        | 12         | 1    | 100     | 0.00       | 0.0               | 0.930             | 0.000          | 12         | 1            | 1  | 1    |
| PL.43009     | PL.43008    | A   | 336ACSR            | 7.54Y     | 125.6        | 0.01            | 0.42                     | 75.83        | 10       | 567        | 70   | 99      | 0.09       | 0.0               | 0.899             | 0.029          | 0          | 0            | 0  | 107  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.01                     | 31.03        | 4        | 233        | 25   | 99      |            |                   |                   |                | 0          | 0            | 0  | 40   |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.02            | 0.79                     | 64.90        | 9        | 484        | 56   | 99      |            |                   |                   |                | 0          | 0            | 0  | 67   |
| PD.8567-A    | PL.43009    | A   | Closed             | 7.54Y     | 125.6        | 0.00            | 0.42                     | 75.83        | 0        | 567        | 70   | 99      | 0.00       | 0.0               | 0.899             | 0.000          | 0          | 0            | 0  | 107  |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.00            | 0.01                     | 31.03        | 0        | 233        | 25   | 99      |            |                   |                   |                | 0          | 0            | 0  | 40   |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.00            | 0.79                     | 64.90        | 0        | 484        | 56   | 99      |            |                   |                   |                | 0          | 0            | 0  | 67   |
| PD.8567-B    | PD.8567-A   | A   | Closed             | 7.54Y     | 125.6        | 0.00            | 0.42                     | 75.83        | 0        | 567        | 70   | 99      | 0.00       | 0.0               | 0.899             | 0.000          | 0          | 0            | 0  | 107  |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.00            | 0.01                     | 31.03        | 0        | 233        | 25   | 99      |            |                   |                   |                | 0          | 0            | 0  | 40   |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.00            | 0.79                     | 64.90        | 0        | 484        | 56   | 99      |            |                   |                   |                | 0          | 0            | 0  | 67   |
| PL.43005     | PD.8567-B   | A   | 336ACSR            | 7.53Y     | 125.6        | 0.01            | 0.43                     | 75.83        | 10       | 567        | 70   | 99      | 0.09       | 0.0               | 0.929             | 0.029          | 0          | 0            | 0  | 107  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.01                     | 31.03        | 4        | 233        | 25   | 99      |            |                   |                   |                | 0          | 0            | 0  | 40   |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.02            | 0.81                     | 64.90        | 9        | 484        | 56   | 99      |            |                   |                   |                | 0          | 0            | 0  | 67   |
| PL.43016     | PL.43005    | A   | 336ACSR            | 7.53Y     | 125.6        | 0.01            | 0.43                     | 75.83        | 10       | 567        | 70   | 99      | 0.08       | 0.0               | 0.955             | 0.027          | 0          | 0            | 0  | 107  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.01                     | 31.03        | 4        | 233        | 25   | 99      |            |                   |                   |                | 0          | 0            | 0  | 40   |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.02            | 0.83                     | 63.13        | 9        | 471        | 54   | 99      |            |                   |                   |                | 0          | 0            | 0  | 66   |
| PL.43015     | PL.43016    | B   | 2ACSR              | 7.56Y     | 126.0        | 0.00            | 0.01                     | 1.33         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 0.961             | 0.006          | 0          | 0            | 0  | 2    |
| PD.8563      | PL.43015    | B   | fuse6AMP           | 7.56Y     | 126.0        | 0.00            | 0.01                     | 1.33         | 23       | 10         | 1    | 100     | 0.00       | 0.0               | 0.961             | 0.000          | 0          | 0            | 0  | 2    |
| PL.43508     | PD.8563     | B   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.02                     | 1.33         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 1.019             | 0.058          | 0          | 0            | 0  | 2    |
| 482620       | PL.43508    | B   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.02                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.019             | 0.000          | 0          | 0            | 0  | 0    |
| PL.2629      | PL.43508    | B   | 4ACSR              | 7.56Y     | 126.0        | 0.01            | 0.03                     | 1.33         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 1.207             | 0.188          | 0          | 0            | 0  | 2    |
| PL.39124     | PL.2629     | B   | 1/0EPRJCN          | 7.56Y     | 126.0        | 0.00            | 0.03                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.211             | 0.004          | 0          | 0            | 0  | 1    |
| PL.39125     | PL.39124    | B   | 1/0EPRJCN          | 7.56Y     | 126.0        | 0.00            | 0.03                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.266             | 0.055          | 0          | 0            | 0  | 1    |
| 4826037      | PL.39125    | B   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.03                     | 0.08         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.266             | 0.000          | 1          | 0            | 1  | 1    |
| 482635       | PL.2629     | B   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.03                     | 1.25         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 1.207             | 0.000          | 9          | 1            | 1  | 1    |
| PL.43024     | PL.43016    | A   | 336ACSR            | 7.53Y     | 125.5        | 0.07            | 0.50                     | 75.83        | 10       | 567        | 70   | 99      | 0.61       | 0.0               | 1.153             | 0.198          | 0          | 0            | 0  | 107  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.01                     | 29.70        | 4        | 223        | 25   | 99      |            |                   |                   |                | 0          | 0            | 0  | 38   |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.13            | 0.95                     | 61.87        | 8        | 462        | 53   | 99      |            |                   |                   |                | 0          | 0            | 0  | 65   |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PL.43030     | PL.43024    | A   | 336ACSR            | 7.53Y     | 125.5        | 0.02            | 0.52                     | 75.04        | 10       | 561        | 68   | 99      | 0.16       | 0.0               | 1.208             | 0.055          | 0          | 0            | 0  | 106  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.01                     | 29.61        | 4        | 223        | 24   | 99      |            |                   |                   |                | 0          | 0            | 0  | 37   |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.03            | 0.99                     | 58.76        | 8        | 438        | 51   | 99      |            |                   |                   |                | 0          | 0            | 0  | 61   |
| PL.43039     | PL.43030    | A   | 336ACSR            | 7.53Y     | 125.5        | 0.00            | 0.52                     | 1.87         | 0        | 14         | 1    | 100     | 0.00       | 0.0               | 1.213             | 0.005          | 0          | 0            | 0  | 1    |
| PD.8566      | PL.43039    | A   | fuse6AMP           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 1.87         | 32       | 14         | 1    | 100     | 0.00       | 0.0               | 1.213             | 0.000          | 0          | 0            | 0  | 1    |
| PL.43040     | PD.8566     | A   | 336ACSR            | 7.53Y     | 125.5        | 0.00            | 0.53                     | 1.87         | 0        | 14         | 1    | 100     | 0.00       | 0.0               | 1.255             | 0.042          | 0          | 0            | 0  | 1    |
| 482622       | PL.43040    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.53                     | 1.87         | 0        | 14         | 1    | 100     | 0.00       | 0.0               | 1.255             | 0.000          | 14         | 1            | 1  | 1    |
| PL.43037     | PL.43030    | C   | 2ACSR              | 7.50Y     | 125.0        | 0.00            | 0.99                     | 0.64         | 0        | 5          | 0    | 100     | 0.00       | 0.0               | 1.211             | 0.003          | 0          | 0            | 0  | 1    |
| PD.8565      | PL.43037    | C   | fuse6AMP           | 7.50Y     | 125.0        | 0.00            | 0.99                     | 0.64         | 11       | 5          | 0    | 100     | 0.00       | 0.0               | 1.211             | 0.000          | 0          | 0            | 0  | 1    |
| PL.43038     | PD.8565     | C   | 2ACSR              | 7.50Y     | 125.0        | 0.00            | 0.99                     | 0.64         | 0        | 5          | 0    | 100     | 0.00       | 0.0               | 1.258             | 0.047          | 0          | 0            | 0  | 1    |
| 482605       | PL.43038    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.99                     | 0.64         | 0        | 5          | 0    | 100     | 0.00       | 0.0               | 1.258             | 0.000          | 5          | 0            | 1  | 1    |
| PL.43031     | PL.43030    | A   | 336ACSR            | 7.53Y     | 125.5        | 0.01            | 0.54                     | 73.16        | 10       | 547        | 67   | 99      | 0.12       | 0.0               | 1.250             | 0.042          | 0          | 0            | 0  | 105  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.01                     | 29.61        | 4        | 223        | 24   | 99      |            |                   |                   |                | 0          | 0            | 0  | 37   |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.02            | 1.01                     | 58.12        | 8        | 433        | 50   | 99      |            |                   |                   |                | 0          | 0            | 0  | 60   |
| PL.43046     | PL.43031    | A   | 336ACSR            | 7.53Y     | 125.5        | 0.01            | 0.55                     | 73.16        | 10       | 547        | 66   | 99      | 0.05       | 0.0               | 1.269             | 0.020          | 0          | 0            | 0  | 105  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.01                     | 29.61        | 4        | 223        | 24   | 99      |            |                   |                   |                | 0          | 0            | 0  | 37   |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.01            | 1.02                     | 56.89        | 8        | 424        | 49   | 99      |            |                   |                   |                | 0          | 0            | 0  | 59   |
| PL.43506     | PL.43046    | C   | 2ACSR              | 7.50Y     | 125.0        | 0.00            | 1.02                     | 1.81         | 1        | 14         | 1    | 100     | 0.00       | 0.0               | 1.273             | 0.004          | 0          | 0            | 0  | 2    |
| PD.8279      | PL.43506    | C   | fuse6AMP           | 7.50Y     | 125.0        | 0.00            | 1.02                     | 1.81         | 31       | 14         | 1    | 100     | 0.00       | 0.0               | 1.273             | 0.000          | 0          | 0            | 0  | 2    |
| PL.43507     | PD.8279     | C   | 2ACSR              | 7.50Y     | 125.0        | 0.00            | 1.03                     | 1.81         | 1        | 14         | 1    | 100     | 0.00       | 0.0               | 1.351             | 0.078          | 0          | 0            | 0  | 2    |
| PL.2628      | PL.43507    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 1.04                     | 1.81         | 1        | 14         | 1    | 100     | 0.00       | 0.0               | 1.448             | 0.096          | 0          | 0            | 0  | 2    |
| 482729       | PL.2628     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.04                     | 1.00         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.448             | 0.000          | 7          | 1            | 1  | 1    |
| 4827034      | PL.2628     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.82         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.448             | 0.000          | 6          | 1            | 1  | 1    |
| P PL.46543   | PL.2628     | C   | 1/0EPRJCN          | 7.50Y     | 125.0        | -0.00           | 1.04                     | -0.04        | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.519             | 0.071          | 0          | 0            | 0  | 0 P  |
| 4827037      | PL.46543    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.519             | 0.000          | 0          | 0            | 0  | 0    |
| PL.43047     | PL.43046    | A   | 336ACSR            | 7.53Y     | 125.4        | 0.01            | 0.55                     | 73.16        | 10       | 547        | 66   | 99      | 0.06       | 0.0               | 1.291             | 0.021          | 0          | 0            | 0  | 105  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.01                     | 29.61        | 4        | 223        | 24   | 99      |            |                   |                   |                | 0          | 0            | 0  | 37   |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.01            | 1.04                     | 55.07        | 8        | 410        | 48   | 99      |            |                   |                   |                | 0          | 0            | 0  | 57   |
| PL.45774     | PL.43047    | A   | 336ACSR            | 7.53Y     | 125.4        | 0.00            | 0.56                     | 69.45        | 10       | 519        | 63   | 99      | 0.00       | 0.0               | 1.293             | 0.002          | 0          | 0            | 0  | 101  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.01                     | 28.14        | 4        | 211        | 23   | 99      |            |                   |                   |                | 0          | 0            | 0  | 36   |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 1.04                     | 55.07        | 8        | 410        | 48   | 99      |            |                   |                   |                | 0          | 0            | 0  | 57   |
| PL.45775     | PL.45774    | A   | 336ACSR            | 7.53Y     | 125.4        | 0.01            | 0.56                     | 69.45        | 10       | 519        | 63   | 99      | 0.05       | 0.0               | 1.312             | 0.019          | 0          | 0            | 0  | 101  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.01                     | 27.88        | 4        | 210        | 23   | 99      |            |                   |                   |                | 0          | 0            | 0  | 35   |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.01            | 1.05                     | 55.07        | 8        | 410        | 48   | 99      |            |                   |                   |                | 0          | 0            | 0  | 57   |
| PL.43053     | PL.45775    | A   | 336ACSR            | 7.52Y     | 125.4        | 0.05            | 0.61                     | 69.45        | 10       | 519        | 63   | 99      | 0.38       | 0.0               | 1.464             | 0.152          | 0          | 0            | 0  | 101  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.00                     | 27.88        | 4        | 210        | 23   | 99      |            |                   |                   |                | 0          | 0            | 0  | 35   |
|              |             | C   |                    | 7.49Y     | 124.9        | 0.09            | 1.13                     | 55.07        | 8        | 410        | 48   | 99      |            |                   |                   |                | 0          | 0            | 0  | 57   |
| PL.43061     | PL.43053    | A   | 336ACSR            | 7.52Y     | 125.4        | 0.01            | 0.62                     | 69.25        | 9        | 517        | 63   | 99      | 0.07       | 0.0               | 1.495             | 0.030          | 0          | 0            | 0  | 100  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.00                     | 27.88        | 4        | 210        | 23   | 99      |            |                   |                   |                | 0          | 0            | 0  | 35   |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.02            | 1.15                     | 52.41        | 7        | 390        | 45   | 99      |            |                   |                   |                | 0          | 0            | 0  | 53   |
| PL.43064     | PL.43061    | A   | 336ACSR            | 7.52Y     | 125.3        | 0.06            | 0.68                     | 69.25        | 9        | 517        | 62   | 99      | 0.38       | 0.0               | 1.656             | 0.162          | 0          | 0            | 0  | 100  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.01           | -0.01                    | 27.88        | 4        | 210        | 23   | 99      |            |                   |                   |                | 0          | 0            | 0  | 35   |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.08            | 1.23                     | 50.70        | 7        | 377        | 44   | 99      |            |                   |                   |                | 0          | 0            | 0  | 52   |
| PL.43071     | PL.43064    | A   | 336ACSR            | 7.52Y     | 125.3        | 0.01            | 0.70                     | 69.25        | 9        | 517        | 62   | 99      | 0.09       | 0.0               | 1.694             | 0.038          | 0          | 0            | 0  | 100  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | -0.01                    | 27.51        | 4        | 207        | 23   | 99      |            |                   |                   |                | 0          | 0            | 0  | 34   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.02            | 1.25                     | 50.70        | 7        | 377        | 44   | 99      |            |                   |                   |                | 0          | 0            | 0  | 52   |
| PL.43075     | PL.43071    | A   | 2ACSR              | 7.52Y     | 125.3        | 0.00            | 0.70                     | 30.31        | 12       | 226        | 30   | 99      | 0.01       | 0.0               | 1.699             | 0.005          | 0          | 0            | 0  | 45   |
| PD.8572-A    | PL.43075    | A   | Closed             | 7.52Y     | 125.3        | 0.00            | 0.70                     | 30.31        | 0        | 226        | 30   | 99      | 0.00       | 0.0               | 1.699             | 0.000          | 0          | 0            | 0  | 45   |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PD.8572-B    | PD.8572-A   | A   | Closed             | 7.52Y     | 125.3        | 0.00            | 0.70                     | 30.31        | 0        | 226        | 30   | 99      | 0.00       | 0.0               | 1.699                               | 0.000 | 0    | 0          | 0            | 45        |
| PL.43076     | PD.8572-B   | A   | 2ACSR              | 7.52Y     | 125.3        | 0.01            | 0.71                     | 30.31        | 12       | 226        | 30   | 99      | 0.02       | 0.0               | 1.713                               | 0.014 | 0    | 0          | 0            | 45        |
| C PD.8571    | PL.43076    | A   | 35V4E              | 7.52Y     | 125.3        | 0.00            | 0.71                     | 30.31        | 87       | 226        | 30   | 99      | 0.00       | 0.0               | 1.713                               | 0.000 | 0    | 0          | 0            | 45 C      |
| PL.43074     | PD.8571     | A   | 2ACSR              | 7.51Y     | 125.2        | 0.05            | 0.76                     | 30.31        | 12       | 226        | 30   | 99      | 0.08       | 0.0               | 1.770                               | 0.057 | 0    | 0          | 0            | 45        |
| PL.11874     | PL.43074    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.05            | 0.82                     | 30.31        | 16       | 226        | 30   | 99      | 0.09       | 0.0               | 1.812                               | 0.042 | 0    | 0          | 0            | 45        |
| PL.24128     | PL.11874    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.82                     | 0.61         | 0        | 5          | 0    | 100     | 0.00       | 0.0               | 1.855                               | 0.043 | 0    | 0          | 0            | 1         |
| 482713       | PL.24128    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.82                     | 0.61         | 0        | 5          | 0    | 100     | 0.00       | 0.0               | 1.855                               | 0.000 | 5    | 0          | 1            | 1         |
| PL.11882     | PL.11874    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.20            | 1.02                     | 29.70        | 15       | 221        | 29   | 99      | 0.34       | 0.2               | 1.972                               | 0.160 | 0    | 0          | 0            | 44        |
| PL.24127     | PL.11882    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.02                     | 0.77         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.012                               | 0.040 | 0    | 0          | 0            | 2         |
| 482617       | PL.24127    | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.02                     | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.012                               | 0.000 | 0    | 0          | 1            | 1         |
| 482607       | PL.24127    | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.02                     | 0.70         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.012                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.24126     | PL.11882    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.02                     | 0.14         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.067                               | 0.095 | 0    | 0          | 0            | 1         |
| PL.3252      | PL.24126    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.02                     | 0.14         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.138                               | 0.071 | 0    | 0          | 0            | 1         |
| PL.3268      | PL.3252     | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.02                     | 0.14         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.169                               | 0.032 | 0    | 0          | 0            | 1         |
| 483752       | PL.3268     | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.02                     | 0.14         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.169                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.17908     | PL.11882    | A   | 4ACSR              | 7.49Y     | 124.9        | 0.09            | 1.11                     | 28.80        | 15       | 214        | 28   | 99      | 0.15       | 0.1               | 2.047                               | 0.076 | 0    | 0          | 0            | 41        |
| PL.17909     | PL.17908    | A   | 4ACSR              | 7.49Y     | 124.9        | 0.03            | 1.14                     | 28.80        | 15       | 214        | 28   | 99      | 0.04       | 0.0               | 2.068                               | 0.021 | 0    | 0          | 0            | 41        |
| PL.11883     | PL.17909    | A   | 4ACSR              | 7.49Y     | 124.9        | 0.01            | 1.15                     | 28.80        | 15       | 214        | 28   | 99      | 0.02       | 0.0               | 2.076                               | 0.008 | 0    | 0          | 0            | 41        |
| PL.11885     | PL.11883    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.06            | 1.21                     | 28.80        | 15       | 214        | 28   | 99      | 0.10       | 0.0               | 2.129                               | 0.053 | 0    | 0          | 0            | 40        |
| PL.11886     | PL.11885    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.02            | 1.24                     | 28.26        | 15       | 210        | 28   | 99      | 0.04       | 0.0               | 2.147                               | 0.018 | 0    | 0          | 0            | 38        |
| 483608       | PL.11886    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.24                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.147                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.11884     | PL.11886    | A   | 4ACSR              | 7.48Y     | 124.7        | 0.03            | 1.27                     | 28.26        | 15       | 210        | 28   | 99      | 0.05       | 0.0               | 2.172                               | 0.025 | 0    | 0          | 0            | 38        |
| PL.11889     | PL.11884    | A   | 4ACSR              | 7.48Y     | 124.6        | 0.15            | 1.41                     | 27.53        | 14       | 204        | 27   | 99      | 0.23       | 0.1               | 2.296                               | 0.124 | 0    | 0          | 0            | 37        |
| PL.11890     | PL.11889    | A   | 4ACSR              | 7.47Y     | 124.5        | 0.04            | 1.46                     | 27.36        | 14       | 203        | 27   | 99      | 0.07       | 0.0               | 2.334                               | 0.037 | 0    | 0          | 0            | 35        |
| 483633       | PL.11890    | A   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.46                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.334                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.11892     | PL.11890    | A   | 4ACSR              | 7.46Y     | 124.4        | 0.15            | 1.61                     | 27.36        | 14       | 203        | 27   | 99      | 0.23       | 0.1               | 2.464                               | 0.131 | 0    | 0          | 0            | 35        |
| PL.11891     | PL.11892    | A   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.61                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.486                               | 0.022 | 0    | 0          | 0            | 4         |
| PD.1732      | PL.11891    | A   | fuse6AMP           | 7.46Y     | 124.4        | 0.00            | 1.61                     | 0.09         | 2        | 1          | 0    | 100     | 0.00       | 0.0               | 2.486                               | 0.000 | 0    | 0          | 0            | 4         |
| PL.19909     | PD.1732     | A   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.61                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.844                               | 0.358 | 0    | 0          | 0            | 4         |
| 483611       | PL.19909    | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.61                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.844                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.19910     | PL.19909    | A   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.61                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.058                               | 0.214 | 0    | 0          | 0            | 3         |
| PL.2665      | PL.19910    | A   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.61                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.083                               | 0.024 | 0    | 0          | 0            | 3         |
| PL.24125     | PL.2665     | A   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.61                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.329                               | 0.246 | 0    | 0          | 0            | 1         |
| 482616       | PL.24125    | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.61                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.329                               | 0.000 | 0    | 0          | 1            | 1         |
| 483632       | PL.2665     | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.61                     | 0.07         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.083                               | 0.000 | 0    | 0          | 1            | 1         |
| 482608       | PL.2665     | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.61                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.083                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.11893     | PL.11892    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.12            | 1.72                     | 26.47        | 14       | 196        | 26   | 99      | 0.17       | 0.1               | 2.567                               | 0.103 | 0    | 0          | 0            | 30        |
| 483603       | PL.11893    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.72                     | 0.57         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 2.567                               | 0.000 | 4    | 0          | 1            | 1         |



Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| PL.11819     | PL.11893    | A   | 4ACSR              | 7.44Y     | 124.1        | 0.20            | 1.93   | 25.90        | 13       | 191        | 26      | 99         | 0.30      | 0.2               | 2.751                               | 0.184 | 0    | 0          | 0            | 29  |
| PL.11513     | PL.11819    | A   | 4ACSR              | 7.44Y     | 124.1        | 0.00            | 1.93   | 0.58         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 2.767                               | 0.016 | 0    | 0          | 0            | 1   |
| PD.1733      | PL.11513    | A   | fuse6AMP           | 7.44Y     | 124.1        | 0.00            | 1.93   | 0.58         | 10       | 4          | 0       | 100        | 0.00      | 0.0               | 2.767                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.11514     | PD.1733     | A   | 4ACSR              | 7.44Y     | 124.1        | 0.01            | 1.93   | 0.58         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 2.973                               | 0.205 | 0    | 0          | 0            | 1   |
| 483621       | PL.11514    | A   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.93   | 0.58         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 2.973                               | 0.000 | 4    | 0          | 1            | 1   |
| 483602       | PL.11514    | A   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.93   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.973                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.11508     | PL.11819    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.09            | 2.02   | 25.32        | 13       | 187        | 25      | 99         | 0.13      | 0.1               | 2.834                               | 0.083 | 0    | 0          | 0            | 28  |
| PL.11511     | PL.11508    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 2.02   | 9.08         | 5        | 67         | 7       | 99         | 0.00      | 0.0               | 2.853                               | 0.018 | 0    | 0          | 0            | 9   |
| C PD.1734    | PL.11511    | A   | fuse8AMP           | 7.44Y     | 124.0        | 0.00            | 2.02   | 9.08         | 124      | 67         | 7       | 99         | 0.00      | 0.0               | 2.853                               | 0.000 | 0    | 0          | 0            | 9 C |
| PL.11512     | PD.1734     | A   | 4ACSR              | 7.44Y     | 123.9        | 0.03            | 2.05   | 9.08         | 5        | 67         | 7       | 99         | 0.01      | 0.0               | 2.927                               | 0.074 | 0    | 0          | 0            | 9   |
| PL.3248      | PL.11512    | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.06   | 1.44         | 1        | 11         | 1       | 100        | 0.00      | 0.0               | 2.976                               | 0.048 | 0    | 0          | 0            | 1   |
| 483628       | PL.3248     | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.06   | 1.44         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 2.976                               | 0.000 | 11   | 1          | 1            | 1   |
| 483634       | PL.3248     | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.06   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.976                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.27794     | PL.11512    | A   | 4ACSR              | 7.44Y     | 123.9        | 0.01            | 2.06   | 7.64         | 4        | 57         | 6       | 99         | 0.00      | 0.0               | 2.954                               | 0.027 | 0    | 0          | 0            | 8   |
| 483638       | PL.27794    | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.06   | 1.33         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.954                               | 0.000 | 10   | 1          | 1            | 1   |
| PL.27795     | PL.27794    | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.06   | 6.31         | 3        | 47         | 5       | 99         | 0.00      | 0.0               | 2.967                               | 0.013 | 0    | 0          | 0            | 7   |
| PL.11509     | PL.27795    | A   | 4ACSR              | 7.43Y     | 123.9        | 0.02            | 2.08   | 4.05         | 2        | 30         | 3       | 100        | 0.00      | 0.0               | 3.077                               | 0.110 | 0    | 0          | 0            | 4   |
| PL.11510     | PL.11509    | A   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.09   | 1.42         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 3.121                               | 0.044 | 0    | 0          | 0            | 1   |
| 483635       | PL.11510    | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.09   | 1.42         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 3.121                               | 0.000 | 10   | 1          | 1            | 1   |
| 483601       | PL.11510    | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.09   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.121                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.3262      | PL.11509    | A   | 4ACSR              | 7.43Y     | 123.9        | 0.02            | 2.10   | 2.64         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 3.241                               | 0.164 | 0    | 0          | 0            | 3   |
| 483636       | PL.3262     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.10   | 1.25         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.241                               | 0.000 | 9    | 1          | 1            | 1   |
| PL.3264      | PL.3262     | A   | 4ACSR              | 7.43Y     | 123.9        | 0.01            | 2.11   | 1.39         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 3.358                               | 0.117 | 0    | 0          | 0            | 2   |
| 483637       | PL.3264     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.11   | 1.39         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 3.358                               | 0.000 | 10   | 1          | 1            | 1   |
| PL.39421     | PL.3264     | A   | 2ACSR              | 7.43Y     | 123.9        | -0.00           | 2.11   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.421                               | 0.063 | 0    | 0          | 0            | 1   |
| PL.45139     | PL.39421    | A   | 2ACSR              | 7.43Y     | 123.9        | 0.00            | 2.11   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.610                               | 0.189 | 0    | 0          | 0            | 0   |
| 4836043      | PL.45139    | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.11   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.610                               | 0.000 | 0    | 0          | 0            | 0   |
| 4836042      | PL.39421    | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.11   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.421                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.7111      | PL.27795    | A   | 4ACSR              | 7.44Y     | 123.9        | 0.01            | 2.07   | 2.25         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 3.025                               | 0.058 | 0    | 0          | 0            | 3   |
| PL.31465     | PL.7111     | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.07   | 1.27         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 3.062                               | 0.037 | 0    | 0          | 0            | 2   |
| PL.31464     | PL.31465    | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.07   | 0.89         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.110                               | 0.048 | 0    | 0          | 0            | 1   |
| 4836040      | PL.31464    | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.07   | 0.89         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.110                               | 0.000 | 7    | 1          | 1            | 1   |
| PL.31466     | PL.31465    | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.07   | 0.38         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.118                               | 0.057 | 0    | 0          | 0            | 1   |
| 483615       | PL.31466    | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.07   | 0.38         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.118                               | 0.000 | 3    | 0          | 1            | 1   |
| 483625       | PL.7111     | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.07   | 0.98         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.025                               | 0.000 | 7    | 1          | 1            | 1   |
| 483604       | PL.11508    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.02   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.834                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.7125      | PL.11508    | A   | 4ACSR              | 7.44Y     | 123.9        | 0.04            | 2.05   | 16.24        | 8        | 119        | 18      | 99         | 0.03      | 0.0               | 2.887                               | 0.053 | 0    | 0          | 0            | 19  |
| PL.7126      | PL.7125     | A   | 4ACSR              | 7.43Y     | 123.9        | 0.05            | 2.11   | 14.39        | 7        | 106        | 16      | 99         | 0.04      | 0.0               | 2.973                               | 0.086 | 0    | 0          | 0            | 18  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.7118      | PL.7126     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.07            | 2.17                     | 14.39        | 7        | 106        | 16      | 99         | 0.05      | 0.1               | 3.081                               | 0.108 | 0    | 0          | 0            | 18 |
| PL.7119      | PL.7118     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.24            | 2.41                     | 14.39        | 7        | 106        | 16      | 99         | 0.19      | 0.2               | 3.462                               | 0.382 | 0    | 0          | 0            | 18 |
| 484603       | PL.7119     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.41                     | 1.29         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.462                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.45493     | PL.7119     | A   | 4ACSR              | 7.41Y     | 123.6        | 0.02            | 2.43                     | 13.10        | 7        | 96         | 15      | 99         | 0.01      | 0.0               | 3.489                               | 0.027 | 0    | 0          | 0            | 17 |
| PD.8655-A    | PL.45493    | A   | Closed             | 7.41Y     | 123.6        | 0.00            | 2.43                     | 13.10        | 0        | 96         | 15      | 99         | 0.00      | 0.0               | 3.489                               | 0.000 | 0    | 0          | 0            | 17 |
| PD.8655-B    | PD.8655-A   | A   | Closed             | 7.41Y     | 123.6        | 0.00            | 2.43                     | 13.10        | 0        | 96         | 15      | 99         | 0.00      | 0.0               | 3.489                               | 0.000 | 0    | 0          | 0            | 17 |
| PL.45494     | PD.8655-B   | A   | 4ACSR              | 7.41Y     | 123.5        | 0.10            | 2.52                     | 13.10        | 7        | 96         | 15      | 99         | 0.07      | 0.1               | 3.660                               | 0.171 | 0    | 0          | 0            | 17 |
| PL.3245      | PL.45494    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.771                               | 0.111 | 0    | 0          | 0            | 1  |
| 484608       | PL.3245     | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.771                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.11364     | PL.45494    | A   | 4ACSR              | 7.41Y     | 123.4        | 0.03            | 2.55                     | 11.96        | 6        | 87         | 14      | 99         | 0.02      | 0.0               | 3.720                               | 0.060 | 0    | 0          | 0            | 15 |
| PL.11365     | PL.11364    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.05            | 2.60                     | 9.00         | 5        | 66         | 12      | 98         | 0.03      | 0.0               | 3.851                               | 0.131 | 0    | 0          | 0            | 11 |
| PL.11362     | PL.11365    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.01            | 2.61                     | 7.73         | 4        | 56         | 11      | 98         | 0.00      | 0.0               | 3.869                               | 0.018 | 0    | 0          | 0            | 10 |
| PL.10722     | PL.11362    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.01            | 2.62                     | 7.73         | 4        | 56         | 11      | 98         | 0.00      | 0.0               | 3.903                               | 0.034 | 0    | 0          | 0            | 10 |
| PL.11779     | PL.10722    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.62                     | 1.84         | 1        | 14         | 1       | 100        | 0.00      | 0.0               | 3.931                               | 0.028 | 0    | 0          | 0            | 3  |
| PL.11778     | PL.11779    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.63                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.052                               | 0.120 | 0    | 0          | 0            | 2  |
| 483527       | PL.11778    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.63                     | 0.47         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.052                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.11781     | PL.11778    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.63                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.057                               | 0.005 | 0    | 0          | 0            | 1  |
| PD.450-A     | PL.11781    | A   | Closed             | 7.40Y     | 123.4        | 0.00            | 2.63                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.057                               | 0.000 | 0    | 0          | 0            | 1  |
| PD.450-B     | PD.450-A    | A   | Closed             | 7.40Y     | 123.4        | 0.00            | 2.63                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.057                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.11782     | PD.450-B    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.63                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.161                               | 0.104 | 0    | 0          | 0            | 1  |
| PL.11784     | PL.11782    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.63                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.165                               | 0.003 | 0    | 0          | 0            | 0  |
| PD.451-A     | PL.11784    | A   | Open               | 7.40Y     | 123.4        | 0.00            | 2.63                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.165                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.10719     | PL.11782    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.63                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.182                               | 0.021 | 0    | 0          | 0            | 1  |
| PL.24142     | PL.10719    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.63                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.217                               | 0.034 | 0    | 0          | 0            | 1  |
| 484529       | PL.24142    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.63                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.217                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.11780     | PL.11779    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.63                     | 1.11         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 4.007                               | 0.076 | 0    | 0          | 0            | 1  |
| 484566       | PL.11780    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.63                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.007                               | 0.000 | 0    | 0          | 0            | 0  |
| 483526       | PL.11780    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.63                     | 1.11         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 4.007                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.10723     | PL.10722    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.02            | 2.64                     | 5.90         | 3        | 43         | 10      | 97         | 0.01      | 0.0               | 3.985                               | 0.082 | 0    | 0          | 0            | 7  |
| 483524       | PL.10723    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.64                     | 1.50         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 3.985                               | 0.000 | 11   | 1          | 1            | 1  |
| PL.11411     | PL.10723    | A   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.65                     | 4.41         | 2        | 32         | 9       | 96         | 0.00      | 0.0               | 4.043                               | 0.058 | 0    | 0          | 0            | 6  |
| PL.11412     | PL.11411    | A   | 4ACSR              | 7.40Y     | 123.3        | -0.00           | 2.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.096                               | 0.053 | 0    | 0          | 0            | 1  |
| 483539       | PL.11412    | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.096                               | 0.000 | 0    | 0          | 1            | 1  |
| 483514       | PL.11411    | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.043                               | 0.000 | 0    | 0          | 1            | 1  |
| 483536       | PL.11411    | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.65                     | 0.90         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.043                               | 0.000 | 7    | 1          | 1            | 1  |
| 483532       | PL.11411    | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.65                     | 0.69         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.043                               | 0.000 | 5    | 1          | 1            | 1  |
| 483513       | PL.11411    | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.65                     | 2.09         | 0        | 14         | 7       | 89         | 0.00      | 0.0               | 4.043                               | 0.000 | 14   | 7          | 1            | 1  |
| 483508       | PL.11411    | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.65                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.043                               | 0.000 | 6    | 1          | 1            | 1  |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.2491      | PL.11362    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.61   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.869                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.11785     | PL.11365    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.60   | 1.28         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 3.860                               | 0.009 | 0    | 0          | 0            | 1 |
| PD.1735      | PL.11785    | A   | fuse6AMP           | 7.40Y     | 123.4        | 0.00            | 2.60   | 1.28         | 22       | 9          | 1       | 99         | 0.00      | 0.0               | 3.860                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.11786     | PD.1735     | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.61   | 1.28         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 3.939                               | 0.080 | 0    | 0          | 0            | 1 |
| PL.45461     | PL.11786    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.61   | 1.28         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 4.031                               | 0.091 | 0    | 0          | 0            | 1 |
| PL.45462     | PL.45461    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.62   | 1.28         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 4.089                               | 0.059 | 0    | 0          | 0            | 1 |
| 483617       | PL.45462    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.62   | 1.28         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.089                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.45460     | PL.45461    | A   | 2ACSR              | 7.40Y     | 123.4        | 0.00            | 2.61   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.094                               | 0.063 | 0    | 0          | 0            | 0 |
| 4836044      | PL.45460    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.61   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.094                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.3246      | PL.11786    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.61   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.017                               | 0.078 | 0    | 0          | 0            | 0 |
| 483619       | PL.3246     | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.61   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.017                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.18952     | PL.11364    | A   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.55   | 2.97         | 2        | 22         | 2       | 100        | 0.00      | 0.0               | 3.727                               | 0.007 | 0    | 0          | 0            | 4 |
| PD.1736      | PL.18952    | A   | fuse6AMP           | 7.41Y     | 123.4        | 0.00            | 2.55   | 2.97         | 51       | 22         | 2       | 100        | 0.00      | 0.0               | 3.727                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.18953     | PD.1736     | A   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.56   | 2.97         | 2        | 22         | 2       | 100        | 0.00      | 0.0               | 3.764                               | 0.037 | 0    | 0          | 0            | 4 |
| PL.3257      | PL.18953    | A   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.56   | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.807                               | 0.043 | 0    | 0          | 0            | 1 |
| 484617       | PL.3257     | A   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.56   | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.807                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.11408     | PL.18953    | A   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.56   | 2.91         | 2        | 21         | 2       | 100        | 0.00      | 0.0               | 3.770                               | 0.006 | 0    | 0          | 0            | 3 |
| PL.11409     | PL.11408    | A   | 4ACSR              | 7.41Y     | 123.4        | 0.01            | 2.56   | 2.91         | 2        | 21         | 2       | 100        | 0.00      | 0.0               | 3.814                               | 0.044 | 0    | 0          | 0            | 3 |
| PL.3263      | PL.11409    | A   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.56   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.860                               | 0.047 | 0    | 0          | 0            | 0 |
| 484620       | PL.3263     | A   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.56   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.860                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.11410     | PL.11409    | A   | 4ACSR              | 7.41Y     | 123.4        | 0.01            | 2.57   | 2.91         | 2        | 21         | 2       | 100        | 0.00      | 0.0               | 3.870                               | 0.056 | 0    | 0          | 0            | 3 |
| PL.3244      | PL.11410    | A   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.57   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.962                               | 0.092 | 0    | 0          | 0            | 1 |
| 484615       | PL.3244     | A   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.57   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.962                               | 0.000 | 0    | 0          | 1            | 1 |
| 484609       | PL.11410    | A   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.57   | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.870                               | 0.000 | 6    | 1          | 1            | 1 |
| 484610       | PL.11410    | A   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.57   | 2.12         | 0        | 16         | 2       | 99         | 0.00      | 0.0               | 3.870                               | 0.000 | 16   | 2          | 1            | 1 |
| 484602       | PL.45494    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.52   | 0.82         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.660                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.12209     | PL.7119     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.41   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.474                               | 0.012 | 0    | 0          | 0            | 0 |
| PD.443-A     | PL.12209    | A   | Closed             | 7.42Y     | 123.6        | 0.00            | 2.41   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.474                               | 0.000 | 0    | 0          | 0            | 0 |
| PD.443-B     | PD.443-A    | A   | Closed             | 7.42Y     | 123.6        | 0.00            | 2.41   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.474                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.12210     | PD.443-B    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.41   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.483                               | 0.009 | 0    | 0          | 0            | 0 |
| PL.45491     | PL.12210    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.41   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.983                               | 0.500 | 0    | 0          | 0            | 0 |
| PD.442-A     | PL.45491    | A   | Open               | 7.42Y     | 123.6        | 0.00            | 2.41   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.983                               | 0.000 | 0    | 0          | 0            | 0 |
| 483630       | PL.7126     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.11   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.973                               | 0.000 | 0    | 0          | 0            | 0 |
| 483639       | PL.7125     | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.05   | 1.86         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 2.887                               | 0.000 | 14   | 1          | 1            | 1 |
| 483613       | PL.11892    | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.61   | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.464                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.11887     | PL.11889    | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.17         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.306                               | 0.010 | 0    | 0          | 0            | 2 |
| PD.1731      | PL.11887    | A   | fuse6AMP           | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.17         | 3        | 1          | 0       | 100        | 0.00      | 0.0               | 2.306                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.11888     | PD.1731     | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.17         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.370                               | 0.063 | 0    | 0          | 0            | 2 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PL.3249      | PL.11888    | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.522             | 0.152          | 0          | 0            | 0  | 1    |
| 483624       | PL.3249     | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.522             | 0.000          | 0          | 0            | 0  | 0    |
| 4836041      | PL.3249     | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.522             | 0.000          | 0          | 0            | 1  | 1    |
| 483614       | PL.11888    | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.17         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.370             | 0.000          | 1          | 0            | 1  | 1    |
| PL.3250      | PL.11884    | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27   | 0.73         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.216             | 0.044          | 0          | 0            | 0  | 1    |
| 483620       | PL.3250     | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.27   | 0.73         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.216             | 0.000          | 5          | 1            | 1  | 1    |
| PL.3251      | PL.11885    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.22   | 0.53         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 2.184             | 0.055          | 0          | 0            | 0  | 2    |
| 483631       | PL.3251     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22   | 0.53         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 2.184             | 0.000          | 4          | 0            | 1  | 1    |
| 483612       | PL.3251     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.184             | 0.000          | 0          | 0            | 1  | 1    |
| 483627       | PL.11883    | A   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.15   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.076             | 0.000          | 0          | 0            | 1  | 1    |
| PL.43086     | PL.43071    | A   | 336ACSR            | 7.52Y     | 125.3        | 0.01            | 0.71   | 38.95        | 5        | 291        | 32   | 99      | 0.14       | 0.0               | 1.796             | 0.102          | 0          | 0            | 0  | 55   |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.02            | 0.01   | 27.51        | 4        | 207        | 23   | 99      |            |                   |                   |                | 0          | 0            | 0  | 34   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.04            | 1.30   | 50.70        | 7        | 377        | 44   | 99      |            |                   |                   |                | 0          | 0            | 0  | 52   |
| PL.43087     | PL.43086    | A   | 336ACSR            | 7.52Y     | 125.3        | 0.00            | 0.71   | 38.94        | 5        | 291        | 31   | 99      | 0.07       | 0.0               | 1.849             | 0.053          | 0          | 0            | 0  | 54   |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.01            | 0.02   | 27.51        | 4        | 207        | 23   | 99      |            |                   |                   |                | 0          | 0            | 0  | 34   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.02            | 1.32   | 50.70        | 7        | 377        | 44   | 99      |            |                   |                   |                | 0          | 0            | 0  | 52   |
| PL.43082     | PL.43087    | A   | 2ACSR              | 7.52Y     | 125.3        | 0.00            | 0.71   | 0.89         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.854             | 0.004          | 0          | 0            | 0  | 1    |
| PD.1702      | PL.43082    | A   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.71   | 0.89         | 15       | 7          | 1    | 99      | 0.00       | 0.0               | 1.854             | 0.000          | 0          | 0            | 0  | 1    |
| PL.43081     | PD.1702     | A   | 2ACSR              | 7.52Y     | 125.3        | 0.00            | 0.71   | 0.89         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.970             | 0.117          | 0          | 0            | 0  | 1    |
| 482718       | PL.43081    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.71   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.970             | 0.000          | 0          | 0            | 0  | 0    |
| 482707       | PL.43081    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.71   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.970             | 0.000          | 0          | 0            | 0  | 0    |
| 482706       | PL.43081    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.71   | 0.89         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.970             | 0.000          | 7          | 1            | 1  | 1    |
| PL.43091     | PL.43087    | A   | 336ACSR            | 7.52Y     | 125.3        | 0.01            | 0.72   | 38.06        | 5        | 284        | 31   | 99      | 0.09       | 0.0               | 1.914             | 0.065          | 0          | 0            | 0  | 53   |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.01            | 0.03   | 27.51        | 4        | 207        | 23   | 99      |            |                   |                   |                | 0          | 0            | 0  | 34   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.03            | 1.34   | 49.96        | 7        | 371        | 43   | 99      |            |                   |                   |                | 0          | 0            | 0  | 51   |
| PL.43092     | PL.43091    | A   | 336ACSR            | 7.52Y     | 125.3        | 0.00            | 0.72   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.107             | 0.193          | 0          | 0            | 0  | 0    |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.00            | 0.03   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                   |                | 0          | 0            | 0  | 0    |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.00            | 1.34   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                   |                | 0          | 0            | 0  | 0    |
| PL.43093     | PL.43091    | A   | 336ACSR            | 7.52Y     | 125.3        | 0.00            | 0.72   | 38.06        | 5        | 284        | 31   | 99      | 0.01       | 0.0               | 1.919             | 0.004          | 0          | 0            | 0  | 53   |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.00            | 0.03   | 27.51        | 4        | 207        | 23   | 99      |            |                   |                   |                | 0          | 0            | 0  | 34   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.00            | 1.34   | 49.96        | 7        | 371        | 43   | 99      |            |                   |                   |                | 0          | 0            | 0  | 51   |
| PL.43094     | PL.43093    | A   | 336ACSR            | 7.52Y     | 125.3        | 0.00            | 0.72   | 38.06        | 5        | 284        | 31   | 99      | 0.07       | 0.0               | 1.968             | 0.049          | 0          | 0            | 0  | 53   |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.01            | 0.04   | 27.51        | 4        | 207        | 23   | 99      |            |                   |                   |                | 0          | 0            | 0  | 34   |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.02            | 1.36   | 49.96        | 7        | 371        | 43   | 99      |            |                   |                   |                | 0          | 0            | 0  | 51   |
| PL.43095     | PL.43094    | A   | 336ACSR            | 7.52Y     | 125.3        | 0.00            | 0.72   | 38.06        | 5        | 284        | 31   | 99      | 0.04       | 0.0               | 1.999             | 0.032          | 0          | 0            | 0  | 53   |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.01            | 0.04   | 27.51        | 4        | 207        | 23   | 99      |            |                   |                   |                | 0          | 0            | 0  | 34   |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.01            | 1.38   | 49.53        | 7        | 368        | 42   | 99      |            |                   |                   |                | 0          | 0            | 0  | 50   |
| PL.18277     | PL.43095    | A   | 6ACWC              | 7.51Y     | 125.2        | 0.03            | 0.76   | 38.06        | 20       | 284        | 31   | 99      | 0.27       | 0.0               | 2.026             | 0.026          | 0          | 0            | 0  | 53   |
|              |             | B   |                    | 7.56Y     | 125.9        | 0.03            | 0.07   | 27.51        | 14       | 207        | 23   | 99      |            |                   |                   |                | 0          | 0            | 0  | 34   |
|              |             | C   |                    | 7.47Y     | 124.6        | 0.05            | 1.43   | 49.53        | 26       | 368        | 42   | 99      |            |                   |                   |                | 0          | 0            | 0  | 50   |
| PL.18278     | PL.18277    | A   | 6ACWC              | 7.51Y     | 125.2        | 0.01            | 0.77   | 38.06        | 20       | 284        | 31   | 99      | 0.07       | 0.0               | 2.032             | 0.006          | 0          | 0            | 0  | 53   |
|              |             | B   |                    | 7.56Y     | 125.9        | 0.01            | 0.08   | 27.51        | 14       | 207        | 23   | 99      |            |                   |                   |                | 0          | 0            | 0  | 34   |
|              |             | C   |                    | 7.47Y     | 124.6        | 0.01            | 1.44   | 49.53        | 26       | 368        | 42   | 99      |            |                   |                   |                | 0          | 0            | 0  | 50   |
| PL.31039     | PL.18278    | A   | 6ACWC              | 7.50Y     | 125.1        | 0.16            | 0.92   | 38.06        | 20       | 284        | 31   | 99      | 1.27       | 0.2               | 2.160             | 0.128          | 0          | 0            | 0  | 53   |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.13            | 0.21   | 26.46        | 14       | 199        | 22   | 99      |            |                   |                   |                | 0          | 0            | 0  | 32   |
|              |             | C   |                    | 7.46Y     | 124.3        | 0.26            | 1.70   | 48.20        | 25       | 358        | 41   | 99      |            |                   |                   |                | 0          | 0            | 0  | 49   |
| 4837056      | PL.31039    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70   | 1.82         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 2.160             | 0.000          | 13         | 1            | 1  | 1    |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PL.31040, PD.441-A, PD.441-B, PL.39270, PL.39281, PD.6903, PL.39286, PL.39279, 483738, PL.39280, 483716, PL.39278, PL.39275, PL.11915, 483720, 483725, PL.31037, 4837055, PL.34628, PL.34629, 483751, PL.43695, PL.43696, 483747, PL.39284, PL.39283, 483722, PL.7115, PL.11916, 483702, PL.11917, 483726, PL.11918, PL.11919.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf         | Type/<br>Conductor | Pri<br>kV               | Base<br>Volt            | Element<br>Drop      | Units Displayed In Volts |                         |               |                   |                |                |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On  | Cons<br>Thru |             |                |
|--------------|-------------|-------------|--------------------|-------------------------|-------------------------|----------------------|--------------------------|-------------------------|---------------|-------------------|----------------|----------------|------------|-------------------|-------------------|----------------|-------------|--------------|-------------|----------------|
|              |             |             |                    |                         |                         |                      | Accum<br>Drop            | Thru<br>Amps            | %<br>Cap      | Thru<br>KW        | KVAR           | %<br>PF        | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |             |              | KW          | KVAR           |
| 483724       | PL.11919    | A           | Consumer           | 7.48Y                   | 124.6                   | 0.00                 | 1.39                     | 1.77                    | 0             | 13                | 1              | 100            | 0.00       | 0.0               | 3.292             | 0.000          | 13          | 1            | 1           | 1              |
| 483731       | PL.11919    | A           | Consumer           | 7.48Y                   | 124.6                   | 0.00                 | 1.39                     | 0.06                    | 0             | 0                 | 0              | 100            | 0.00       | 0.0               | 3.292             | 0.000          | 0           | 0            | 1           | 1              |
| PL.3261      | PL.11918    | A           | 4ACSR              | 7.48Y                   | 124.6                   | 0.00                 | 1.37                     | 0.01                    | 0             | 0                 | 0              | 100            | 0.00       | 0.0               | 3.121             | 0.058          | 0           | 0            | 0           | 1              |
| 483743       | PL.3261     | A           | Consumer           | 7.48Y                   | 124.6                   | 0.00                 | 1.37                     | 0.01                    | 0             | 0                 | 0              | 100            | 0.00       | 0.0               | 3.121             | 0.000          | 0           | 0            | 1           | 1              |
| PL.7113      | PL.11917    | A           | 4ACSR              | 7.48Y                   | 124.6                   | 0.01                 | 1.37                     | 5.30                    | 3             | 39                | 4              | 99             | 0.00       | 0.0               | 3.039             | 0.037          | 0           | 0            | 0           | 4              |
| PL.7114      | PL.7113     | A           | 4ACSR              | 7.48Y                   | 124.6                   | 0.01                 | 1.38                     | 3.81                    | 2             | 28                | 3              | 99             | 0.00       | 0.0               | 3.083             | 0.044          | 0           | 0            | 0           | 3              |
| PL.3239      | PL.7114     | A           | 4ACSR              | 7.48Y                   | 124.6                   | 0.00                 | 1.38                     | 0.72                    | 0             | 5                 | 1              | 98             | 0.00       | 0.0               | 3.171             | 0.088          | 0           | 0            | 0           | 2              |
| 483748       | PL.3239     | A           | Consumer           | 7.48Y                   | 124.6                   | 0.00                 | 1.38                     | 0.11                    | 0             | 1                 | 0              | 100            | 0.00       | 0.0               | 3.171             | 0.000          | 1           | 0            | 1           | 1              |
| 483723       | PL.3239     | A           | Consumer           | 7.48Y                   | 124.6                   | 0.00                 | 1.38                     | 0.61                    | 0             | 5                 | 0              | 100            | 0.00       | 0.0               | 3.171             | 0.000          | 5           | 0            | 1           | 1              |
| 483703       | PL.7114     | A           | Consumer           | 7.48Y                   | 124.6                   | 0.00                 | 1.38                     | 3.09                    | 0             | 23                | 2              | 100            | 0.00       | 0.0               | 3.083             | 0.000          | 23          | 2            | 1           | 1              |
| 483737       | PL.7113     | A           | Consumer           | 7.48Y                   | 124.6                   | 0.00                 | 1.37                     | 1.49                    | 0             | 11                | 1              | 100            | 0.00       | 0.0               | 3.039             | 0.000          | 11          | 1            | 1           | 1              |
| PL.7120      | PL.11917    | A           | 4ACSR              | 7.48Y                   | 124.6                   | 0.00                 | 1.37                     | 0.78                    | 0             | 6                 | 1              | 99             | 0.00       | 0.0               | 3.029             | 0.027          | 0           | 0            | 0           | 2              |
| PL.7121      | PL.7120     | A           | 4ACSR              | 7.48Y                   | 124.6                   | 0.00                 | 1.37                     | 0.31                    | 0             | 2                 | 0              | 100            | 0.00       | 0.0               | 3.079             | 0.050          | 0           | 0            | 0           | 1              |
| 483741       | PL.7121     | A           | Consumer           | 7.48Y                   | 124.6                   | 0.00                 | 1.37                     | 0.31                    | 0             | 2                 | 0              | 100            | 0.00       | 0.0               | 3.079             | 0.000          | 2           | 0            | 1           | 1              |
| 483745       | PL.7120     | A           | Consumer           | 7.48Y                   | 124.6                   | 0.00                 | 1.37                     | 0.46                    | 0             | 3                 | 0              | 100            | 0.00       | 0.0               | 3.029             | 0.000          | 3           | 0            | 1           | 1              |
| PL.39285     | PL.39284    | A           | 2ACSR              | 7.48Y                   | 124.7                   | 0.01                 | 1.26                     | 4.21                    | 2             | 31                | 3              | 100            | 0.00       | 0.0               | 2.763             | 0.110          | 0           | 0            | 0           | 5              |
| PL.3241      | PL.39285    | A           | 4ACSR              | 7.48Y                   | 124.7                   | 0.01                 | 1.27                     | 3.33                    | 2             | 25                | 3              | 99             | 0.00       | 0.0               | 2.865             | 0.102          | 0           | 0            | 0           | 4              |
| PL.3238      | PL.3241     | A           | 4ACSR              | 7.48Y                   | 124.7                   | 0.00                 | 1.28                     | 2.74                    | 1             | 20                | 2              | 100            | 0.00       | 0.0               | 2.898             | 0.033          | 0           | 0            | 0           | 3              |
| PL.3237      | PL.3238     | A           | 4ACSR              | 7.48Y                   | 124.7                   | 0.01                 | 1.28                     | 2.74                    | 1             | 20                | 2              | 100            | 0.00       | 0.0               | 2.971             | 0.074          | 0           | 0            | 0           | 3              |
| 483728       | PL.3237     | A           | Consumer           | 7.48Y                   | 124.7                   | 0.00                 | 1.28                     | 0.68                    | 0             | 5                 | 1              | 98             | 0.00       | 0.0               | 2.971             | 0.000          | 5           | 1            | 1           | 1              |
| 483754       | PL.3237     | A           | Consumer           | 7.48Y                   | 124.7                   | 0.00                 | 1.28                     | 0.00                    | 0             | 0                 | 0              | 100            | 0.00       | 0.0               | 2.971             | 0.000          | 0           | 0            | 1           | 1              |
| 483744       | PL.3237     | A           | Consumer           | 7.48Y                   | 124.7                   | 0.00                 | 1.28                     | 2.06                    | 0             | 15                | 2              | 99             | 0.00       | 0.0               | 2.971             | 0.000          | 15          | 2            | 1           | 1              |
| PL.3260      | PL.3241     | A           | 4ACSR              | 7.48Y                   | 124.7                   | 0.00                 | 1.27                     | 0.59                    | 0             | 4                 | 0              | 100            | 0.00       | 0.0               | 2.934             | 0.069          | 0           | 0            | 0           | 1              |
| 483742       | PL.3260     | A           | Consumer           | 7.48Y                   | 124.7                   | 0.00                 | 1.27                     | 0.59                    | 0             | 4                 | 0              | 100            | 0.00       | 0.0               | 2.934             | 0.000          | 4           | 0            | 1           | 1              |
| 483721       | PL.39285    | A           | Consumer           | 7.48Y                   | 124.7                   | 0.00                 | 1.26                     | 0.87                    | 0             | 7                 | 1              | 99             | 0.00       | 0.0               | 2.763             | 0.000          | 7           | 1            | 1           | 1              |
| 4837059      | PL.43695    | A           | Consumer           | 7.49Y                   | 124.8                   | 0.00                 | 1.17                     | 0.00                    | 0             | 0                 | 0              | 100            | 0.00       | 0.0               | 2.480             | 0.000          | 0           | 0            | 0           | 0              |
| 4837057      | PL.34628    | A           | Consumer           | 7.49Y                   | 124.9                   | 0.00                 | 1.13                     | 0.51                    | 0             | 4                 | 0              | 100            | 0.00       | 0.0               | 2.425             | 0.000          | 4           | 0            | 1           | 1              |
| PL.39271     | PL.39270    | A<br>B<br>C | 6ACWC              | 7.50Y<br>7.54Y<br>7.45Y | 125.0<br>125.7<br>124.1 | 0.01<br>0.02<br>0.03 | 1.02<br>0.30<br>1.86     | 18.15<br>26.46<br>46.38 | 9<br>14<br>24 | 135<br>198<br>343 | 15<br>22<br>39 | 99<br>99<br>99 | 0.13       | 0.0               | 2.245             | 0.019          | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>0<br>0 | 28<br>32<br>48 |
| PL.11920     | PL.39271    | A<br>B<br>C | 6ACWC              | 7.50Y<br>7.54Y<br>7.44Y | 125.0<br>125.6<br>124.0 | 0.03<br>0.09<br>0.13 | 1.05<br>0.39<br>1.99     | 18.15<br>26.46<br>44.65 | 9<br>14<br>23 | 135<br>198<br>330 | 15<br>22<br>38 | 99<br>99<br>99 | 0.49       | 0.1               | 2.318             | 0.073          | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>0<br>0 | 28<br>32<br>47 |
| 483719       | PL.11920    | A           | Consumer           | 7.50Y                   | 125.0                   | 0.00                 | 1.05                     | 1.02                    | 0             | 8                 | 1              | 99             | 0.00       | 0.0               | 2.318             | 0.000          | 8           | 1            | 1           | 1              |
| PL.7117      | PL.11920    | C           | 4ACSR              | 7.44Y                   | 124.0                   | 0.00                 | 1.99                     | 0.00                    | 0             | 0                 | 0              | 100            | 0.00       | 0.0               | 2.318             | 0.000          | 0           | 0            | 0           | 0              |
| PL.11929     | PL.7117     | C           | 4ACSR              | 7.44Y                   | 124.0                   | 0.00                 | 1.99                     | 0.00                    | 0             | 0                 | 0              | 100            | 0.00       | 0.0               | 2.333             | 0.015          | 0           | 0            | 0           | 0              |
| PD.1727      | PL.11929    | C           | fuse6AMP           | 7.44Y                   | 124.0                   | 0.00                 | 1.99                     | 0.00                    | 0             | 0                 | 0              | 100            | 0.00       | 0.0               | 2.333             | 0.000          | 0           | 0            | 0           | 0              |
| PL.11930     | PD.1727     | C           | 4ACSR              | 7.44Y                   | 124.0                   | 0.00                 | 1.99                     | 0.00                    | 0             | 0                 | 0              | 100            | 0.00       | 0.0               | 2.441             | 0.108          | 0           | 0            | 0           | 0              |
| 483717       | PL.11930    | C           | Consumer           | 7.44Y                   | 124.0                   | 0.00                 | 1.99                     | 0.00                    | 0             | 0                 | 0              | 100            | 0.00       | 0.0               | 2.441             | 0.000          | 0           | 0            | 0           | 0              |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |     |      | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|-----|------|---------|------------|-----------|-------------------|----------------|-------------------|----|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | KW  | KVAR |         |            |           |                   |                |                   |    |            |              |
| PL.11921     | PL.11920    | A   | 6ACWC              | 7.50Y     | 124.9        | 0.03            | 1.08                     | 17.13        | 9        | 128        | 14   | 99  | 0.48 | 0.1     | 2.389      | 0.071     | 0                 | 0              | 0                 | 27 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.09            | 0.48                     | 26.46        | 14       | 198        | 22   | 99  |      |         |            |           | 0                 | 0              | 0                 | 32 |            |              |
|              |             | C   |                    | 7.43Y     | 123.9        | 0.12            | 2.11                     | 44.65        | 23       | 330        | 38   | 99  |      |         |            |           | 0                 | 0              | 0                 | 47 |            |              |
| PL.11927     | PL.11921    | C   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.11                     | 2.89         | 1        | 21         | 2    | 100 | 0.00 | 0.0     | 2.403      | 0.014     | 0                 | 0              | 0                 | 3  |            |              |
| PD.1729      | PL.11927    | C   | fuse6AMP           | 7.43Y     | 123.9        | 0.00            | 2.11                     | 2.89         | 49       | 21         | 2    | 100 | 0.00 | 0.0     | 2.403      | 0.000     | 0                 | 0              | 0                 | 3  |            |              |
| PL.11928     | PD.1729     | C   | 4ACSR              | 7.43Y     | 123.9        | 0.01            | 2.12                     | 2.89         | 1        | 21         | 2    | 100 | 0.00 | 0.0     | 2.470      | 0.067     | 0                 | 0              | 0                 | 3  |            |              |
| PL.2664      | PL.11928    | C   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.12                     | 2.89         | 1        | 21         | 2    | 100 | 0.00 | 0.0     | 2.475      | 0.005     | 0                 | 0              | 0                 | 3  |            |              |
| PL.7072      | PL.2664     | C   | 4ACSR              | 7.43Y     | 123.9        | 0.01            | 2.13                     | 2.89         | 1        | 21         | 2    | 100 | 0.00 | 0.0     | 2.541      | 0.066     | 0                 | 0              | 0                 | 3  |            |              |
| 482732       | PL.7072     | C   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13                     | 1.17         | 0        | 9          | 1    | 99  | 0.00 | 0.0     | 2.541      | 0.000     | 9                 | 1              | 1                 | 1  |            |              |
| PL.7073      | PL.7072     | C   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.14                     | 1.73         | 1        | 13         | 1    | 100 | 0.00 | 0.0     | 2.601      | 0.059     | 0                 | 0              | 0                 | 2  |            |              |
| 482723       | PL.7073     | C   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.14                     | 1.30         | 0        | 10         | 1    | 100 | 0.00 | 0.0     | 2.601      | 0.000     | 10                | 1              | 1                 | 1  |            |              |
| 482725       | PL.7073     | C   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.14                     | 0.43         | 0        | 3          | 0    | 100 | 0.00 | 0.0     | 2.601      | 0.000     | 3                 | 0              | 1                 | 1  |            |              |
| PL.19742     | PL.11921    | A   | 6ACWC              | 7.49Y     | 124.9        | 0.01            | 1.08                     | 17.13        | 9        | 128        | 14   | 99  | 0.10 | 0.0     | 2.406      | 0.017     | 0                 | 0              | 0                 | 27 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.02            | 0.50                     | 25.19        | 13       | 189        | 21   | 99  |      |         |            |           | 0                 | 0              | 0                 | 31 |            |              |
|              |             | C   |                    | 7.43Y     | 123.9        | 0.03            | 2.14                     | 41.76        | 22       | 308        | 35   | 99  |      |         |            |           | 0                 | 0              | 0                 | 44 |            |              |
| 483704       | PL.19742    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.47         | 0        | 4          | 0    | 100 | 0.00 | 0.0     | 2.406      | 0.000     | 4                 | 0              | 1                 | 1  |            |              |
| PL.19743     | PL.19742    | A   | 6ACWC              | 7.49Y     | 124.9        | 0.02            | 1.10                     | 17.13        | 9        | 128        | 14   | 99  | 0.23 | 0.0     | 2.444      | 0.038     | 0                 | 0              | 0                 | 27 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.04            | 0.54                     | 24.72        | 13       | 185        | 20   | 99  |      |         |            |           | 0                 | 0              | 0                 | 30 |            |              |
|              |             | C   |                    | 7.43Y     | 123.8        | 0.06            | 2.20                     | 41.76        | 22       | 308        | 35   | 99  |      |         |            |           | 0                 | 0              | 0                 | 44 |            |              |
| PL.11922     | PL.19743    | A   | 6ACWC              | 7.49Y     | 124.9        | 0.00            | 1.10                     | 15.87        | 8        | 118        | 13   | 99  | 0.04 | 0.0     | 2.452      | 0.008     | 0                 | 0              | 0                 | 26 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.01            | 0.55                     | 24.72        | 13       | 185        | 20   | 99  |      |         |            |           | 0                 | 0              | 0                 | 30 |            |              |
|              |             | C   |                    | 7.43Y     | 123.8        | 0.01            | 2.21                     | 41.76        | 22       | 308        | 35   | 99  |      |         |            |           | 0                 | 0              | 0                 | 44 |            |              |
| PL.11923     | PL.11922    | A   | 6ACWC              | 7.49Y     | 124.9        | 0.02            | 1.12                     | 13.91        | 7        | 104        | 11   | 99  | 0.38 | 0.1     | 2.518      | 0.066     | 0                 | 0              | 0                 | 24 |            |              |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.08            | 0.63                     | 24.72        | 13       | 185        | 20   | 99  |      |         |            |           | 0                 | 0              | 0                 | 30 |            |              |
|              |             | C   |                    | 7.42Y     | 123.7        | 0.11            | 2.32                     | 41.76        | 22       | 308        | 35   | 99  |      |         |            |           | 0                 | 0              | 0                 | 44 |            |              |
| PL.14622     | PL.11923    | A   | 6ACWC              | 7.49Y     | 124.9        | 0.00            | 1.12                     | 13.91        | 7        | 104        | 11   | 99  | 0.01 | 0.0     | 2.520      | 0.002     | 0                 | 0              | 0                 | 24 |            |              |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.00            | 0.63                     | 23.89        | 12       | 179        | 20   | 99  |      |         |            |           | 0                 | 0              | 0                 | 29 |            |              |
|              |             | C   |                    | 7.42Y     | 123.7        | 0.00            | 2.32                     | 41.76        | 22       | 308        | 35   | 99  |      |         |            |           | 0                 | 0              | 0                 | 44 |            |              |
| PL.41298     | PL.14622    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.04            | 2.37                     | 9.77         | 5        | 72         | 7    | 100 | 0.02 | 0.0     | 2.622      | 0.103     | 0                 | 0              | 0                 | 6  |            |              |
| PL.41299     | PL.41298    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.37                     | 8.09         | 4        | 60         | 6    | 100 | 0.00 | 0.0     | 2.638      | 0.015     | 0                 | 0              | 0                 | 5  |            |              |
| PL.7070      | PL.41299    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.03            | 2.40                     | 8.09         | 4        | 60         | 6    | 100 | 0.02 | 0.0     | 2.735      | 0.097     | 0                 | 0              | 0                 | 5  |            |              |
| 482728       | PL.7070     | C   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 1.26         | 0        | 9          | 1    | 99  | 0.00 | 0.0     | 2.735      | 0.000     | 9                 | 1              | 1                 | 1  |            |              |
| PL.7071      | PL.7070     | C   | 4ACSR              | 7.41Y     | 123.6        | 0.02            | 2.42                     | 6.83         | 4        | 50         | 5    | 100 | 0.01 | 0.0     | 2.801      | 0.066     | 0                 | 0              | 0                 | 4  |            |              |
| PL.39621     | PL.7071     | C   | 2ACSR              | 7.41Y     | 123.6        | 0.00            | 2.43                     | 1.60         | 1        | 12         | 1    | 100 | 0.00 | 0.0     | 2.895      | 0.094     | 0                 | 0              | 0                 | 1  |            |              |
| 4827036      | PL.39621    | C   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.43                     | 1.60         | 0        | 12         | 1    | 100 | 0.00 | 0.0     | 2.895      | 0.000     | 12                | 1              | 1                 | 1  |            |              |
| 482731       | PL.7071     | C   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.42                     | 1.94         | 0        | 14         | 1    | 100 | 0.00 | 0.0     | 2.801      | 0.000     | 14                | 1              | 1                 | 1  |            |              |
| 4827035      | PL.7071     | C   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.42                     | 1.88         | 0        | 14         | 1    | 100 | 0.00 | 0.0     | 2.801      | 0.000     | 14                | 1              | 1                 | 1  |            |              |
| 482726       | PL.7071     | C   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.42                     | 1.40         | 0        | 10         | 1    | 100 | 0.00 | 0.0     | 2.801      | 0.000     | 10                | 1              | 1                 | 1  |            |              |
| 4837058      | PL.41298    | C   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 1.68         | 0        | 12         | 1    | 100 | 0.00 | 0.0     | 2.622      | 0.000     | 12                | 1              | 1                 | 1  |            |              |
| PL.14623     | PL.14622    | A   | 6ACWC              | 7.49Y     | 124.8        | 0.03            | 1.15                     | 13.91        | 7        | 104        | 11   | 99  | 0.30 | 0.1     | 2.595      | 0.075     | 0                 | 0              | 0                 | 24 |            |              |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.08            | 0.71                     | 23.89        | 12       | 179        | 20   | 99  |      |         |            |           | 0                 | 0              | 0                 | 29 |            |              |
|              |             | C   |                    | 7.42Y     | 123.6        | 0.09            | 2.41                     | 31.99        | 17       | 236        | 28   | 99  |      |         |            |           | 0                 | 0              | 0                 | 38 |            |              |
| 483707       | PL.14623    | C   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.41                     | 1.93         | 0        | 14         | 1    | 100 | 0.00 | 0.0     | 2.595      | 0.000     | 14                | 1              | 1                 | 1  |            |              |
| 483713       | PL.14623    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.71                     | 0.34         | 0        | 3          | 0    | 100 | 0.00 | 0.0     | 2.595      | 0.000     | 3                 | 0              | 1                 | 1  |            |              |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | -Base Voltage:120.0-     |              |          |            |      |         |            |           |       |       |                   | Length<br>(mi)    | KW |            |              | KVAR |
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss |       |       |                   |                   |    |            |              |      |
| PL.11924     | PL.14623    | A   | 6ACWC              | 7.49Y     | 124.8        | 0.02            | 1.17                     | 13.91        | 7        | 104        | 11   | 99      | 0.21       | 0.0       | 2.653 | 0.058 | 0                 | 0                 | 0  | 24         |              |      |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.06            | 0.77                     | 23.55        | 12       | 176        | 19   | 99      |            |           |       |       | 0                 | 0                 | 0  | 28         |              |      |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.06            | 2.48                     | 30.07        | 16       | 221        | 26   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| PL.11925     | PL.11924    | A   | 6ACWC              | 7.49Y     | 124.8        | 0.04            | 1.21                     | 13.87        | 7        | 103        | 11   | 99      | 0.34       | 0.1       | 2.745 | 0.092 | 0                 | 0                 | 0  | 23         |              |      |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.10            | 0.87                     | 23.55        | 12       | 176        | 19   | 99      |            |           |       |       | 0                 | 0                 | 0  | 28         |              |      |
|              |             | C   |                    | 7.41Y     | 123.4        | 0.10            | 2.58                     | 30.07        | 16       | 221        | 26   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| PL.3267      | PL.11925    | C   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.58                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.836 | 0.091 | 0                 | 0                 | 0  | 0          |              |      |
| PL.41476     | PL.11925    | A   | 6ACWC              | 7.49Y     | 124.8        | 0.02            | 1.23                     | 13.87        | 7        | 103        | 11   | 99      | 0.14       | 0.0       | 2.782 | 0.037 | 0                 | 0                 | 0  | 23         |              |      |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.04            | 0.90                     | 23.55        | 12       | 176        | 19   | 99      |            |           |       |       | 0                 | 0                 | 0  | 28         |              |      |
|              |             | C   |                    | 7.40Y     | 123.4        | 0.04            | 2.62                     | 30.07        | 16       | 221        | 26   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| PD.7450      | PL.41476    | A   | VWVE               | 7.49Y     | 124.8        | 0.00            | 1.23                     | 13.87        | 0        | 103        | 11   | 99      | 0.00       | 0.0       | 2.782 | 0.000 | 0                 | 0                 | 0  | 23         |              |      |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.90                     | 23.55        | 0        | 176        | 19   | 99      |            |           |       |       | 0                 | 0                 | 0  | 28         |              |      |
|              |             | C   |                    | 7.40Y     | 123.4        | 0.00            | 2.62                     | 30.07        | 0        | 221        | 26   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| PL.41477     | PD.7450     | A   | 6ACWC              | 7.49Y     | 124.8        | 0.00            | 1.23                     | 13.87        | 7        | 103        | 11   | 99      | 0.03       | 0.0       | 2.789 | 0.007 | 0                 | 0                 | 0  | 23         |              |      |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.01            | 0.91                     | 23.55        | 12       | 176        | 19   | 99      |            |           |       |       | 0                 | 0                 | 0  | 28         |              |      |
|              |             | C   |                    | 7.40Y     | 123.4        | 0.01            | 2.63                     | 30.07        | 16       | 221        | 26   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| PL.39459     | PL.41477    | A   | 6ACWC              | 7.49Y     | 124.8        | 0.01            | 1.24                     | 13.87        | 7        | 103        | 11   | 99      | 0.06       | 0.0       | 2.805 | 0.016 | 0                 | 0                 | 0  | 23         |              |      |
|              |             | B   |                    | 7.50Y     | 125.1        | 0.02            | 0.93                     | 23.55        | 12       | 176        | 19   | 99      |            |           |       |       | 0                 | 0                 | 0  | 28         |              |      |
|              |             | C   |                    | 7.40Y     | 123.4        | 0.02            | 2.65                     | 30.07        | 16       | 221        | 26   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| PL.14624     | PL.39459    | A   | 6ACWC              | 7.49Y     | 124.8        | 0.01            | 1.25                     | 13.87        | 7        | 103        | 11   | 99      | 0.12       | 0.0       | 2.837 | 0.032 | 0                 | 0                 | 0  | 23         |              |      |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.03            | 0.96                     | 22.58        | 12       | 168        | 18   | 99      |            |           |       |       | 0                 | 0                 | 0  | 27         |              |      |
|              |             | C   |                    | 7.40Y     | 123.3        | 0.04            | 2.68                     | 30.07        | 16       | 221        | 26   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| PL.3258      | PL.14624    | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.25                     | 0.44         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 2.881 | 0.044 | 0                 | 0                 | 0  | 1          |              |      |
| PL.3259      | PL.3258     | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.25                     | 0.44         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 2.898 | 0.017 | 0                 | 0                 | 0  | 1          |              |      |
| 483739       | PL.3259     | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.25                     | 0.44         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 2.898 | 0.000 | 3                 | 0                 | 1  | 1          |              |      |
| PL.14625     | PL.14624    | A   | 6ACWC              | 7.48Y     | 124.7        | 0.03            | 1.28                     | 13.42        | 7        | 100        | 11   | 99      | 0.27       | 0.1       | 2.914 | 0.077 | 0                 | 0                 | 0  | 22         |              |      |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.08            | 1.04                     | 22.58        | 12       | 168        | 18   | 99      |            |           |       |       | 0                 | 0                 | 0  | 27         |              |      |
|              |             | C   |                    | 7.39Y     | 123.2        | 0.09            | 2.77                     | 30.07        | 16       | 221        | 26   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| PL.174       | PL.14625    | A   | 6ACWC              | 7.48Y     | 124.7        | 0.05            | 1.33                     | 13.42        | 7        | 100        | 11   | 99      | 0.50       | 0.1       | 3.055 | 0.141 | 0                 | 0                 | 0  | 22         |              |      |
|              |             | B   |                    | 7.49Y     | 124.8        | 0.14            | 1.18                     | 22.58        | 12       | 168        | 18   | 99      |            |           |       |       | 0                 | 0                 | 0  | 27         |              |      |
|              |             | C   |                    | 7.38Y     | 123.1        | 0.16            | 2.93                     | 30.07        | 16       | 221        | 26   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| PL.7140      | PL.174      | A   | 6ACWC              | 7.47Y     | 124.6        | 0.10            | 1.43                     | 13.42        | 7        | 100        | 11   | 99      | 0.95       | 0.2       | 3.322 | 0.267 | 0                 | 0                 | 0  | 22         |              |      |
|              |             | B   |                    | 7.47Y     | 124.5        | 0.27            | 1.45                     | 22.58        | 12       | 168        | 18   | 99      |            |           |       |       | 0                 | 0                 | 0  | 27         |              |      |
|              |             | C   |                    | 7.37Y     | 122.8        | 0.30            | 3.22                     | 30.07        | 16       | 221        | 26   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| PL.7141      | PL.7140     | A   | 6ACWC              | 7.47Y     | 124.5        | 0.02            | 1.46                     | 13.42        | 7        | 100        | 11   | 99      | 0.22       | 0.0       | 3.385 | 0.063 | 0                 | 0                 | 0  | 21         |              |      |
|              |             | B   |                    | 7.47Y     | 124.5        | 0.06            | 1.51                     | 22.35        | 12       | 166        | 18   | 99      |            |           |       |       | 0                 | 0                 | 0  | 26         |              |      |
|              |             | C   |                    | 7.36Y     | 122.7        | 0.07            | 3.29                     | 30.07        | 16       | 220        | 25   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| 483804       | PL.7141     | B   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.385 | 0.000 | 0                 | 0                 | 0  | 0          |              |      |
| 483818       | PL.7141     | A   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.46                     | 0.17         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 3.385 | 0.000 | 1                 | 0                 | 1  | 1          |              |      |
| PL.14606     | PL.7141     | A   | 6ACWC              | 7.47Y     | 124.5        | 0.09            | 1.55                     | 13.25        | 7        | 98         | 11   | 99      | 0.83       | 0.2       | 3.622 | 0.237 | 0                 | 0                 | 0  | 20         |              |      |
|              |             | B   |                    | 7.45Y     | 124.2        | 0.24            | 1.75                     | 22.35        | 12       | 166        | 18   | 99      |            |           |       |       | 0                 | 0                 | 0  | 26         |              |      |
|              |             | C   |                    | 7.35Y     | 122.4        | 0.27            | 3.56                     | 30.07        | 16       | 220        | 25   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| PL.14607     | PL.14606    | A   | 6ACWC              | 7.47Y     | 124.5        | 0.00            | 1.55                     | 12.26        | 6        | 91         | 10   | 99      | 0.00       | 0.0       | 3.623 | 0.001 | 0                 | 0                 | 0  | 17         |              |      |
|              |             | B   |                    | 7.45Y     | 124.2        | 0.00            | 1.75                     | 18.69        | 10       | 138        | 15   | 99      |            |           |       |       | 0                 | 0                 | 0  | 23         |              |      |
|              |             | C   |                    | 7.35Y     | 122.4        | 0.00            | 3.56                     | 30.07        | 16       | 219        | 25   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| PL.14608     | PL.14607    | A   | 6ACWC              | 7.47Y     | 124.4        | 0.02            | 1.56                     | 12.26        | 6        | 91         | 10   | 99      | 0.16       | 0.0       | 3.674 | 0.051 | 0                 | 0                 | 0  | 17         |              |      |
|              |             | B   |                    | 7.45Y     | 124.2        | 0.04            | 1.80                     | 18.69        | 10       | 138        | 15   | 99      |            |           |       |       | 0                 | 0                 | 0  | 23         |              |      |
|              |             | C   |                    | 7.34Y     | 122.4        | 0.06            | 3.62                     | 30.07        | 16       | 219        | 25   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| PL.14620     | PL.14608    | A   | 6ACWC              | 7.46Y     | 124.4        | 0.03            | 1.59                     | 12.26        | 6        | 91         | 10   | 99      | 0.28       | 0.1       | 3.766 | 0.092 | 0                 | 0                 | 0  | 17         |              |      |
|              |             | B   |                    | 7.45Y     | 124.1        | 0.08            | 1.87                     | 17.83        | 9        | 132        | 15   | 99      |            |           |       |       | 0                 | 0                 | 0  | 22         |              |      |
|              |             | C   |                    | 7.34Y     | 122.3        | 0.11            | 3.73                     | 30.07        | 16       | 219        | 25   | 99      |            |           |       |       | 0                 | 0                 | 0  | 37         |              |      |
| PL.2816      | PL.14620    | A   | 4ACSR              | 7.46Y     | 124.4        | 0.01            | 1.60                     | 2.40         | 1        | 18         | 2    | 99      | 0.00       | 0.0       | 3.845 | 0.078 | 0                 | 0                 | 0  | 2          |              |      |
| 4838035      | PL.2816     | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.60                     | 1.05         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 3.845 | 0.000 | 8                 | 1                 | 1  | 1          |              |      |



Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW |            |              | KVAR |
| 483833       | PL.2816     | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.60                     | 1.35         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 3.845          | 0.000             | 10 | 1          | 1            | 1    |
| PL.14621     | PL.14620    | A   | 6ACWC              | 7.46Y     | 124.4        | 0.02            | 1.61                     | 9.86         | 5        | 73         | 8    | 99      | 0.27       | 0.1               | 3.859          | 0.092             | 0  | 0          | 0            | 15   |
|              |             | B   |                    | 7.44Y     | 124.0        | 0.08            | 1.95                     | 17.83        | 9        | 132        | 15   | 99      |            |                   |                |                   | 0  | 0          | 0            | 22   |
|              |             | C   |                    | 7.33Y     | 122.2        | 0.11            | 3.83                     | 30.07        | 16       | 219        | 25   | 99      |            |                   |                |                   | 0  | 0          | 0            | 37   |
| PL.15789     | PL.14621    | B   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.95                     | 0.57         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.875          | 0.016             | 0  | 0          | 0            | 1    |
| PD.1743      | PL.15789    | B   | fuse6AMP           | 7.44Y     | 124.0        | 0.00            | 1.95                     | 0.57         | 10       | 4          | 0    | 100     | 0.00       | 0.0               | 3.875          | 0.000             | 0  | 0          | 0            | 1    |
| PL.15790     | PD.1743     | B   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.95                     | 0.57         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.958          | 0.083             | 0  | 0          | 0            | 1    |
| 483807       | PL.15790    | B   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.95                     | 0.57         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.958          | 0.000             | 4  | 0          | 1            | 1    |
| PL.14617     | PL.14621    | A   | 6ACWC              | 7.46Y     | 124.4        | 0.02            | 1.63                     | 9.86         | 5        | 73         | 8    | 99      | 0.34       | 0.1               | 3.975          | 0.116             | 0  | 0          | 0            | 15   |
|              |             | B   |                    | 7.44Y     | 124.0        | 0.10            | 2.05                     | 17.26        | 9        | 128        | 14   | 99      |            |                   |                |                   | 0  | 0          | 0            | 21   |
|              |             | C   |                    | 7.32Y     | 122.0        | 0.13            | 3.97                     | 30.07        | 16       | 219        | 25   | 99      |            |                   |                |                   | 0  | 0          | 0            | 37   |
| PL.14618     | PL.14617    | A   | 6ACWC              | 7.46Y     | 124.4        | 0.01            | 1.64                     | 9.86         | 5        | 73         | 8    | 99      | 0.22       | 0.1               | 4.053          | 0.078             | 0  | 0          | 0            | 15   |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.06            | 2.11                     | 15.92        | 8        | 118        | 13   | 99      |            |                   |                |                   | 0  | 0          | 0            | 20   |
|              |             | C   |                    | 7.32Y     | 121.9        | 0.09            | 4.06                     | 30.07        | 16       | 219        | 25   | 99      |            |                   |                |                   | 0  | 0          | 0            | 37   |
| PL.14619     | PL.14618    | A   | 6ACWC              | 7.46Y     | 124.3        | 0.01            | 1.65                     | 7.32         | 4        | 54         | 6    | 99      | 0.29       | 0.1               | 4.160          | 0.107             | 0  | 0          | 0            | 12   |
|              |             | B   |                    | 7.43Y     | 123.8        | 0.09            | 2.19                     | 15.92        | 8        | 118        | 13   | 99      |            |                   |                |                   | 0  | 0          | 0            | 20   |
|              |             | C   |                    | 7.31Y     | 121.8        | 0.12            | 4.18                     | 30.07        | 16       | 219        | 24   | 99      |            |                   |                |                   | 0  | 0          | 0            | 37   |
| PL.39441     | PL.14619    | A   | 6ACWC              | 7.46Y     | 124.3        | 0.01            | 1.66                     | 7.32         | 4        | 54         | 6    | 99      | 0.03       | 0.0               | 4.190          | 0.030             | 0  | 0          | 0            | 12   |
|              |             | B   |                    | 7.43Y     | 123.8        | 0.02            | 2.21                     | 15.92        | 8        | 118        | 13   | 99      |            |                   |                |                   | 0  | 0          | 0            | 20   |
|              |             | C   |                    | 7.31Y     | 121.8        | 0.01            | 4.19                     | 10.40        | 5        | 76         | 8    | 99      |            |                   |                |                   | 0  | 0          | 0            | 9    |
| PD.3546      | PL.39441    | A   | 50V4E              | 7.46Y     | 124.3        | 0.00            | 1.66                     | 7.32         | 0        | 54         | 6    | 99      | 0.00       | 0.0               | 4.190          | 0.000             | 0  | 0          | 0            | 12   |
|              |             | B   |                    | 7.43Y     | 123.8        | 0.00            | 2.21                     | 15.92        | 32       | 117        | 13   | 99      |            |                   |                |                   | 0  | 0          | 0            | 20   |
|              |             | C   |                    | 7.31Y     | 121.8        | 0.00            | 4.19                     | 10.40        | 21       | 76         | 8    | 99      |            |                   |                |                   | 0  | 0          | 0            | 9    |
| PL.39442     | PD.3546     | A   | 6ACWC              | 7.46Y     | 124.3        | 0.01            | 1.67                     | 7.32         | 4        | 54         | 6    | 99      | 0.04       | 0.0               | 4.228          | 0.038             | 0  | 0          | 0            | 12   |
|              |             | B   |                    | 7.43Y     | 123.8        | 0.03            | 2.24                     | 15.92        | 8        | 117        | 13   | 99      |            |                   |                |                   | 0  | 0          | 0            | 20   |
|              |             | C   |                    | 7.31Y     | 121.8        | 0.01            | 4.20                     | 10.40        | 5        | 76         | 8    | 99      |            |                   |                |                   | 0  | 0          | 0            | 9    |
| PL.19247     | PL.39442    | A   | 6ACWC              | 7.46Y     | 124.3        | 0.01            | 1.68                     | 7.32         | 4        | 54         | 6    | 99      | 0.03       | 0.0               | 4.261          | 0.033             | 0  | 0          | 0            | 12   |
|              |             | B   |                    | 7.42Y     | 123.7        | 0.02            | 2.26                     | 15.92        | 8        | 117        | 13   | 99      |            |                   |                |                   | 0  | 0          | 0            | 20   |
|              |             | C   |                    | 7.31Y     | 121.8        | 0.01            | 4.21                     | 8.49         | 4        | 62         | 7    | 99      |            |                   |                |                   | 0  | 0          | 0            | 7    |
| PL.28081     | PL.19247    | A   | 6ACWC              | 7.46Y     | 124.3        | 0.01            | 1.69                     | 7.32         | 4        | 54         | 6    | 99      | 0.02       | 0.0               | 4.294          | 0.032             | 0  | 0          | 0            | 12   |
|              |             | B   |                    | 7.42Y     | 123.7        | 0.02            | 2.28                     | 14.67        | 8        | 108        | 12   | 99      |            |                   |                |                   | 0  | 0          | 0            | 18   |
|              |             | C   |                    | 7.31Y     | 121.8        | 0.01            | 4.22                     | 8.49         | 4        | 62         | 7    | 99      |            |                   |                |                   | 0  | 0          | 0            | 7    |
| PL.28082     | PL.28081    | A   | 6ACWC              | 7.46Y     | 124.3        | 0.02            | 1.71                     | 7.32         | 4        | 54         | 6    | 99      | 0.04       | 0.0               | 4.351          | 0.058             | 0  | 0          | 0            | 12   |
|              |             | B   |                    | 7.42Y     | 123.7        | 0.03            | 2.31                     | 14.67        | 8        | 108        | 12   | 99      |            |                   |                |                   | 0  | 0          | 0            | 18   |
|              |             | C   |                    | 7.31Y     | 121.8        | 0.01            | 4.23                     | 8.49         | 4        | 62         | 7    | 99      |            |                   |                |                   | 0  | 0          | 0            | 7    |
| PD.1599-A    | PL.28082    | A   | Closed             | 7.46Y     | 124.3        | 0.00            | 1.71                     | 7.32         | 0        | 54         | 6    | 99      | 0.00       | 0.0               | 4.351          | 0.000             | 0  | 0          | 0            | 12   |
|              |             | B   |                    | 7.42Y     | 123.7        | 0.00            | 2.31                     | 14.67        | 0        | 108        | 12   | 99      |            |                   |                |                   | 0  | 0          | 0            | 18   |
|              |             | C   |                    | 7.31Y     | 121.8        | 0.00            | 4.23                     | 8.49         | 0        | 62         | 7    | 99      |            |                   |                |                   | 0  | 0          | 0            | 7    |
| PD.1599-B    | PD.1599-A   | A   | Closed             | 7.46Y     | 124.3        | 0.00            | 1.71                     | 7.32         | 0        | 54         | 6    | 99      | 0.00       | 0.0               | 4.351          | 0.000             | 0  | 0          | 0            | 12   |
|              |             | B   |                    | 7.42Y     | 123.7        | 0.00            | 2.31                     | 14.67        | 0        | 108        | 12   | 99      |            |                   |                |                   | 0  | 0          | 0            | 18   |
|              |             | C   |                    | 7.31Y     | 121.8        | 0.00            | 4.23                     | 8.49         | 0        | 62         | 7    | 99      |            |                   |                |                   | 0  | 0          | 0            | 7    |
| PL.27742     | PD.1599-B   | A   | 6ACWC              | 7.46Y     | 124.3        | 0.01            | 1.72                     | 7.32         | 4        | 54         | 6    | 99      | 0.02       | 0.0               | 4.373          | 0.021             | 0  | 0          | 0            | 12   |
|              |             | B   |                    | 7.42Y     | 123.7        | 0.01            | 2.33                     | 14.67        | 8        | 108        | 12   | 99      |            |                   |                |                   | 0  | 0          | 0            | 18   |
|              |             | C   |                    | 7.31Y     | 121.8        | 0.01            | 4.24                     | 8.49         | 4        | 62         | 7    | 99      |            |                   |                |                   | 0  | 0          | 0            | 7    |
| PL.14609     | PL.27742    | A   | 6ACWC              | 7.46Y     | 124.3        | 0.02            | 1.74                     | 7.32         | 4        | 54         | 6    | 99      | 0.04       | 0.0               | 4.432          | 0.059             | 0  | 0          | 0            | 12   |
|              |             | B   |                    | 7.42Y     | 123.6        | 0.03            | 2.36                     | 14.15        | 7        | 104        | 12   | 99      |            |                   |                |                   | 0  | 0          | 0            | 17   |
|              |             | C   |                    | 7.31Y     | 121.8        | 0.01            | 4.25                     | 7.52         | 4        | 55         | 6    | 99      |            |                   |                |                   | 0  | 0          | 0            | 6    |
| PL.14611     | PL.14609    | C   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.25                     | 1.64         | 1        | 12         | 1    | 100     | 0.00       | 0.0               | 4.436          | 0.004             | 0  | 0          | 0            | 1    |
| PD.1600      | PL.14611    | C   | fuse6AMP           | 7.31Y     | 121.8        | 0.00            | 4.25                     | 1.64         | 28       | 12         | 1    | 100     | 0.00       | 0.0               | 4.436          | 0.000             | 0  | 0          | 0            | 1    |
| PL.14612     | PD.1600     | C   | 4ACSR              | 7.30Y     | 121.7        | 0.01            | 4.26                     | 1.64         | 1        | 12         | 1    | 100     | 0.00       | 0.0               | 4.529          | 0.094             | 0  | 0          | 0            | 1    |
| 483943       | PL.14612    | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.26                     | 1.64         | 0        | 12         | 1    | 100     | 0.00       | 0.0               | 4.529          | 0.000             | 12 | 1          | 1            | 1    |
| PL.14613     | PL.14609    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.74                     | 1.00         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 4.436          | 0.004             | 0  | 0          | 0            | 3    |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, Element KVAR, Cons On, Cons Thru. Includes data rows for various elements like PD.1744, PL.14614, 483820, etc.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.2822      | PL.15591    | C   | 4ACSR              | 7.30Y     | 121.6        | 0.02            | 4.37                     | 4.01         | 2        | 29         | 3    | 99      | 0.00       | 0.0               | 5.243                               | 0.123 | 0    | 0          | 0            | 2         |
| 484951       | PL.2822     | C   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.37                     | 2.43         | 0        | 18         | 2    | 99      | 0.00       | 0.0               | 5.243                               | 0.000 | 18   | 2          | 1            | 1         |
| 484910       | PL.2822     | C   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.37                     | 1.58         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 5.243                               | 0.000 | 11   | 1          | 1            | 1         |
| PL.12080     | PL.14601    | A   | 6ACWC              | 7.44Y     | 124.0        | 0.05            | 1.95                     | 5.78         | 3        | 43         | 5    | 99      | 0.08       | 0.1               | 5.157                               | 0.144 | 0    | 0          | 0            | 8         |
|              |             | B   |                    | 7.39Y     | 123.2        | 0.08            | 2.77                     | 14.15        | 7        | 104        | 11   | 99      |            |                   |                                     |       | 0    | 0          | 0            | 15        |
|              |             | C   |                    | 7.30Y     | 121.7        | -0.02           | 4.31                     | 0.28         | 0        | 2          | 1    | 93      |            |                   |                                     |       | 0    | 0          | 0            | 1         |
| PL.12081     | PL.12080    | A   | 6ACWC              | 7.44Y     | 124.0        | 0.01            | 1.97                     | 5.78         | 3        | 43         | 5    | 99      | 0.00       | 0.0               | 5.210                               | 0.054 | 0    | 0          | 0            | 8         |
|              |             | B   |                    | 7.39Y     | 123.2        | -0.00           | 2.77                     | 1.40         | 1        | 10         | 2    | 99      |            |                   |                                     |       | 0    | 0          | 0            | 1         |
|              |             | C   |                    | 7.30Y     | 121.7        | 0.00            | 4.31                     | 0.22         | 0        | 1          | 1    | 90      |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| PL.2817      | PL.12081    | A   | 6ACWC              | 7.44Y     | 124.0        | 0.00            | 1.97                     | 0.22         | 0        | 1          | 1    | 71      | 0.00       | 0.0               | 5.307                               | 0.096 | 0    | 0          | 0            | 0         |
|              |             | B   |                    | 7.39Y     | 123.2        | 0.00            | 2.77                     | 0.22         | 0        | 1          | 1    | 90      |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.30Y     | 121.7        | 0.00            | 4.31                     | 0.22         | 0        | 1          | 1    | 90      |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| 484966       | PL.2817     | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.97                     | 0.22         | 0        | 1          | 1    | 71      | 0.00       | 0.0               | 5.307                               | 0.000 | 1    | 1          | 0            | 0         |
|              |             | B   |                    | 7.39Y     | 123.2        | 0.00            | 2.77                     | 0.22         | 0        | 1          | 1    | 90      |            |                   |                                     |       | 1    | 1          | 0            | 0         |
|              |             | C   |                    | 7.30Y     | 121.7        | 0.00            | 4.31                     | 0.22         | 0        | 1          | 1    | 90      |            |                   |                                     |       | 1    | 1          | 0            | 0         |
| PL.12079     | PL.12081    | A   | 6ACWC              | 7.44Y     | 124.0        | 0.02            | 1.99                     | 5.58         | 3        | 41         | 4    | 100     | 0.01       | 0.0               | 5.290                               | 0.079 | 0    | 0          | 0            | 8         |
|              |             | B   |                    | 7.39Y     | 123.2        | -0.00           | 2.77                     | 1.20         | 1        | 9          | 1    | 99      |            |                   |                                     |       | 0    | 0          | 0            | 1         |
|              |             | C   |                    | 7.30Y     | 121.7        | 0.00            | 4.31                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| 484939       | PL.12079    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.90         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 5.290                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.7127      | PL.12079    | A   | 6ACWC              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 1.02         | 1        | 8          | 1    | 99      | 0.00       | 0.0               | 5.369                               | 0.080 | 0    | 0          | 0            | 3         |
|              |             | B   |                    | 7.39Y     | 123.2        | 0.00            | 2.77                     | 1.20         | 1        | 9          | 1    | 99      |            |                   |                                     |       | 0    | 0          | 0            | 1         |
|              |             | C   |                    | 7.30Y     | 121.7        | -0.00           | 4.31                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| PL.12085     | PL.7127     | A   | 6ACWC              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.477                               | 0.108 | 0    | 0          | 0            | 2         |
|              |             | B   |                    | 7.39Y     | 123.2        | 0.01            | 2.78                     | 1.20         | 1        | 9          | 1    | 99      |            |                   |                                     |       | 0    | 0          | 0            | 1         |
|              |             | C   |                    | 7.30Y     | 121.7        | -0.00           | 4.31                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| PL.12087     | PL.12085    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.493                               | 0.016 | 0    | 0          | 0            | 2         |
| PD.1598      | PL.12087    | A   | fuse6AMP           | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.26         | 4        | 2          | 0    | 100     | 0.00       | 0.0               | 5.493                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.12088     | PD.1598     | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.561                               | 0.068 | 0    | 0          | 0            | 2         |
| PL.46031     | PL.12088    | A   | 2ACSR              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.668                               | 0.107 | 0    | 0          | 0            | 0         |
| 4848019      | PL.46031    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.668                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.2820      | PL.12088    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.797                               | 0.236 | 0    | 0          | 0            | 2         |
| 484810       | PL.2820     | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.797                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.12082     | PL.2820     | A   | 4ACSR              | 7.44Y     | 124.0        | -0.00           | 2.00                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.899                               | 0.102 | 0    | 0          | 0            | 1         |
| PL.12083     | PL.12082    | A   | 4ACSR              | 7.44Y     | 124.0        | -0.00           | 2.00                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.062                               | 0.163 | 0    | 0          | 0            | 1         |
| 484811       | PL.12083    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.062                               | 0.000 | 0    | 0          | 1            | 1         |
| 484814       | PL.12085    | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.78                     | 1.20         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 5.477                               | 0.000 | 9    | 1          | 1            | 1         |
| PL.12086     | PL.12085    | A   | 6ACWC              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.477                               | 0.000 | 0    | 0          | 0            | 0         |
|              |             | B   |                    | 7.39Y     | 123.2        | 0.00            | 2.78                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.30Y     | 121.7        | 0.00            | 4.31                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| PL.12084     | PL.12086    | A   | 6ACWC              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.587                               | 0.110 | 0    | 0          | 0            | 0         |
|              |             | B   |                    | 7.39Y     | 123.2        | 0.00            | 2.78                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.30Y     | 121.7        | 0.00            | 4.31                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| PL.12077     | PL.12084    | A   | 6ACWC              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.609                               | 0.022 | 0    | 0          | 0            | 0         |
|              |             | B   |                    | 7.39Y     | 123.2        | 0.00            | 2.78                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.30Y     | 121.7        | 0.00            | 4.31                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| PL.2888      | PL.12077    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.677                               | 0.068 | 0    | 0          | 0            | 0         |
| 485804       | PL.2888     | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.677                               | 0.000 | 0    | 0          | 0            | 0         |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| PL.12078     | PL.12077    | A   | 6ACWC              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.752                               | 0.143 | 0    | 0          | 0            | 0    |
|              |             | B   |                    | 7.39Y     | 123.2        | 0.00            | 2.78                     | 0.00         | 0        | 0          | 0         | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0    |
|              |             | C   |                    | 7.30Y     | 121.7        | 0.00            | 4.31                     | 0.00         | 0        | 0          | 0         | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0    |
| PL.12076     | PL.12077    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.622                               | 0.013 | 0    | 0          | 0            | 0    |
| PD.1650      | PL.12076    | A   | fuse6AMP           | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.622                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.12075     | PD.1650     | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.688                               | 0.066 | 0    | 0          | 0            | 0    |
| 485801       | PL.12075    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.688                               | 0.000 | 0    | 0          | 0            | 0    |
| 484949       | PL.7127     | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.76         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 5.369                               | 0.000 | 6    | 1          | 1            | 1    |
| PL.12089     | PL.12079    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 3.65         | 2        | 27         | 3         | 99         | 0.00      | 0.0               | 5.299                               | 0.010 | 0    | 0          | 0            | 4    |
| PD.1597      | PL.12089    | A   | fuse6AMP           | 7.44Y     | 124.0        | 0.00            | 1.99                     | 3.65         | 62       | 27         | 3         | 99         | 0.00      | 0.0               | 5.299                               | 0.000 | 0    | 0          | 0            | 4    |
| PL.12090     | PD.1597     | A   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 1.99                     | 3.65         | 2        | 27         | 3         | 99         | 0.00      | 0.0               | 5.338                               | 0.039 | 0    | 0          | 0            | 4    |
| PL.7128      | PL.12090    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 2.47         | 1        | 18         | 2         | 99         | 0.00      | 0.0               | 5.360                               | 0.022 | 0    | 0          | 0            | 3    |
| 484955       | PL.7128     | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 1.56         | 0        | 12         | 1         | 100        | 0.00      | 0.0               | 5.360                               | 0.000 | 12   | 1          | 1            | 1    |
| 484964       | PL.7128     | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.06         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.360                               | 0.000 | 0    | 0          | 1            | 1    |
| 484933       | PL.7128     | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.84         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 5.360                               | 0.000 | 6    | 1          | 1            | 1    |
| 484940       | PL.12090    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.99                     | 1.18         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 5.338                               | 0.000 | 9    | 1          | 1            | 1    |
| 484806       | PL.12080    | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.31                     | 0.07         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.157                               | 0.000 | 0    | 0          | 1            | 1    |
| 484812       | PL.12080    | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.77                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.157                               | 0.000 | 0    | 0          | 1            | 1    |
| PL.12091     | PL.12080    | B   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.78                     | 12.74        | 7        | 94         | 10        | 99         | 0.00      | 0.0               | 5.165                               | 0.009 | 0    | 0          | 0            | 13   |
| C PD.1595    | PL.12091    | B   | fuse6AMP           | 7.39Y     | 123.2        | 0.00            | 2.78                     | 12.74        | 218      | 94         | 10        | 99         | 0.00      | 0.0               | 5.165                               | 0.000 | 0    | 0          | 0            | 13 C |
| PL.12092     | PD.1595     | B   | 4ACSR              | 7.39Y     | 123.2        | 0.04            | 2.82                     | 12.74        | 7        | 94         | 10        | 99         | 0.03      | 0.0               | 5.242                               | 0.077 | 0    | 0          | 0            | 13   |
| 484956       | PL.12092    | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.82                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.242                               | 0.000 | 0    | 0          | 1            | 1    |
| PL.20640     | PL.12092    | B   | 4ACSR              | 7.39Y     | 123.2        | 0.03            | 2.85                     | 12.74        | 7        | 94         | 10        | 99         | 0.02      | 0.0               | 5.299                               | 0.057 | 0    | 0          | 0            | 12   |
| PL.20641     | PL.20640    | B   | 4ACSR              | 7.39Y     | 123.1        | 0.03            | 2.88                     | 11.87        | 6        | 87         | 9         | 99         | 0.02      | 0.0               | 5.365                               | 0.066 | 0    | 0          | 0            | 10   |
| 484948       | PL.20641    | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.88                     | 2.12         | 0        | 16         | 2         | 99         | 0.00      | 0.0               | 5.365                               | 0.000 | 16   | 2          | 1            | 1    |
| PL.7131      | PL.20641    | B   | 4ACSR              | 7.39Y     | 123.1        | 0.01            | 2.90                     | 9.75         | 5        | 72         | 7         | 100        | 0.01      | 0.0               | 5.401                               | 0.036 | 0    | 0          | 0            | 9    |
| PL.12093     | PL.7131     | B   | 4ACSR              | 7.39Y     | 123.1        | 0.01            | 2.90                     | 7.74         | 4        | 57         | 6         | 99         | 0.00      | 0.0               | 5.428                               | 0.027 | 0    | 0          | 0            | 6    |
| PL.12094     | PL.12093    | B   | 4ACSR              | 7.38Y     | 123.1        | 0.01            | 2.92                     | 5.41         | 3        | 40         | 4         | 100        | 0.00      | 0.0               | 5.485                               | 0.057 | 0    | 0          | 0            | 4    |
| 484954       | PL.12094    | B   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.92                     | 1.58         | 0        | 12         | 1         | 100        | 0.00      | 0.0               | 5.485                               | 0.000 | 12   | 1          | 1            | 1    |
| 484936       | PL.12094    | B   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.92                     | 0.79         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 5.485                               | 0.000 | 6    | 1          | 1            | 1    |
| PL.2590      | PL.12094    | B   | 4ACSR              | 7.38Y     | 123.1        | 0.02            | 2.93                     | 3.03         | 2        | 22         | 2         | 100        | 0.00      | 0.0               | 5.609                               | 0.124 | 0    | 0          | 0            | 2    |
| PL.2591      | PL.2590     | B   | 4ACSR              | 7.38Y     | 123.1        | 0.01            | 2.94                     | 1.57         | 1        | 12         | 1         | 100        | 0.00      | 0.0               | 5.698                               | 0.090 | 0    | 0          | 0            | 1    |
| 484969       | PL.2591     | B   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.94                     | 1.57         | 0        | 12         | 1         | 100        | 0.00      | 0.0               | 5.698                               | 0.000 | 12   | 1          | 1            | 1    |
| 4849076      | PL.2590     | B   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.93                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.609                               | 0.000 | 0    | 0          | 0            | 0    |
| 484967       | PL.2590     | B   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.93                     | 1.46         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 5.609                               | 0.000 | 11   | 1          | 1            | 1    |
| PL.2810      | PL.12093    | B   | 4ACSR              | 7.39Y     | 123.1        | 0.01            | 2.91                     | 2.33         | 1        | 17         | 2         | 99         | 0.00      | 0.0               | 5.482                               | 0.054 | 0    | 0          | 0            | 2    |
| 484962       | PL.2810     | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.91                     | 1.53         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 5.482                               | 0.000 | 11   | 1          | 1            | 1    |
| 484959       | PL.2810     | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.91                     | 0.80         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 5.482                               | 0.000 | 6    | 1          | 1            | 1    |
| 484960       | PL.7131     | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.90                     | 0.93         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 5.401                               | 0.000 | 7    | 1          | 1            | 1    |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |     |
| 484957       | PL.7131     | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.90                     | 0.44         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 5.401             | 0.000 | 3          | 0            | 1    | 1   |
| PL.2823      | PL.7131     | B   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.90                     | 0.63         | 0        | 5          | 0         | 100        | 0.00      | 0.0               | 5.480             | 0.080 | 0          | 0            | 0    | 1   |
| 484953       | PL.2823     | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.90                     | 0.63         | 0        | 5          | 0         | 100        | 0.00      | 0.0               | 5.480             | 0.000 | 5          | 0            | 1    | 1   |
| 484958       | PL.20640    | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.85                     | 0.03         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.299             | 0.000 | 0          | 0            | 1    | 1   |
| 484943       | PL.20640    | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.85                     | 0.84         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 5.299             | 0.000 | 6          | 1            | 1    | 1   |
| 483824       | PL.27742    | C   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.24                     | 0.97         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 4.373             | 0.000 | 7          | 1            | 1    | 1   |
| 483813       | PL.27742    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.33                     | 0.53         | 0        | 4          | 0         | 100        | 0.00      | 0.0               | 4.373             | 0.000 | 4          | 0            | 1    | 1   |
| 483831       | PL.19247    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.26                     | 1.24         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 4.261             | 0.000 | 9          | 1            | 1    | 1   |
| 483826       | PL.19247    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.26                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.261             | 0.000 | 0          | 0            | 1    | 1   |
| PL.15791     | PL.39442    | C   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.20                     | 1.91         | 1        | 14         | 1         | 100        | 0.00      | 0.0               | 4.250             | 0.022 | 0          | 0            | 0    | 2   |
| PD.1742      | PL.15791    | C   | fuse6AMP           | 7.31Y     | 121.8        | 0.00            | 4.20                     | 1.91         | 33       | 14         | 1         | 100        | 0.00      | 0.0               | 4.250             | 0.000 | 0          | 0            | 0    | 2   |
| PL.15792     | PD.1742     | C   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.21                     | 1.91         | 1        | 14         | 1         | 100        | 0.00      | 0.0               | 4.293             | 0.043 | 0          | 0            | 0    | 2   |
| 4839045      | PL.15792    | C   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.21                     | 0.34         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 4.293             | 0.000 | 2          | 0            | 1    | 1   |
| 483925       | PL.15792    | C   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.21                     | 1.57         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 4.293             | 0.000 | 11         | 1            | 1    | 1   |
| PL.18762     | PL.14619    | A   | 6ACWC              | 7.46Y     | 124.3        | -0.00           | 1.65                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.165             | 0.005 | 0          | 0            | 0    | 0   |
|              |             | B   |                    | 7.43Y     | 123.8        | 0.00            | 2.19                     | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0                 | 0     | 0          | 0            | 0    |     |
|              |             | C   |                    | 7.31Y     | 121.8        | 0.00            | 4.19                     | 18.64        | 10       | 135        | 14        | 99         |           |                   | 0                 | 0     | 0          | 0            | 26   |     |
| PL.18763     | PL.18762    | A   | 6ACWC              | 7.46Y     | 124.4        | -0.02           | 1.63                     | 0.00         | 0        | 0          | 0         | 100        | 0.09      | 0.1               | 4.270             | 0.104 | 0          | 0            | 0    | 0   |
|              |             | B   |                    | 7.43Y     | 123.8        | 0.01            | 2.21                     | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0                 | 0     | 0          | 0            | 0    |     |
|              |             | C   |                    | 7.30Y     | 121.7        | 0.08            | 4.27                     | 18.64        | 10       | 135        | 14        | 99         |           |                   | 0                 | 0     | 0          | 0            | 26   |     |
| PL.14616     | PL.18763    | A   | 6ACWC              | 7.46Y     | 124.4        | -0.01           | 1.62                     | 0.00         | 0        | 0          | 0         | 100        | 0.02      | 0.0               | 4.301             | 0.032 | 0          | 0            | 0    | 0   |
|              |             | B   |                    | 7.43Y     | 123.8        | 0.00            | 2.21                     | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0                 | 0     | 0          | 0            | 0    |     |
|              |             | C   |                    | 7.30Y     | 121.7        | 0.02            | 4.29                     | 17.29        | 9        | 126        | 13        | 99         |           |                   | 0                 | 0     | 0          | 0            | 23   |     |
| PL.39471     | PL.14616    | C   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.29                     | 5.95         | 3        | 43         | 5         | 99         | 0.00      | 0.0               | 4.307             | 0.006 | 0          | 0            | 0    | 8   |
| C PD.6936    | PL.39471    | C   | fuse6AMP           | 7.30Y     | 121.7        | 0.00            | 4.29                     | 5.95         | 102      | 43         | 5         | 99         | 0.00      | 0.0               | 4.307             | 0.000 | 0          | 0            | 0    | 8 C |
| PL.39472     | PD.6936     | C   | 4ACSR              | 7.30Y     | 121.7        | 0.01            | 4.31                     | 5.95         | 3        | 43         | 5         | 99         | 0.00      | 0.0               | 4.365             | 0.058 | 0          | 0            | 0    | 8   |
| PL.26759     | PL.39472    | C   | 4ACSR              | 7.30Y     | 121.7        | 0.01            | 4.31                     | 2.86         | 1        | 21         | 2         | 100        | 0.00      | 0.0               | 4.416             | 0.050 | 0          | 0            | 0    | 3   |
| PL.2811      | PL.26759    | C   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.31                     | 0.65         | 0        | 5          | 0         | 100        | 0.00      | 0.0               | 4.445             | 0.029 | 0          | 0            | 0    | 1   |
| 483940       | PL.2811     | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.31                     | 0.65         | 0        | 5          | 0         | 100        | 0.00      | 0.0               | 4.445             | 0.000 | 5          | 0            | 1    | 1   |
| PL.2587      | PL.26759    | C   | 4ACSR              | 7.30Y     | 121.7        | 0.01            | 4.32                     | 2.21         | 1        | 16         | 2         | 99         | 0.00      | 0.0               | 4.525             | 0.109 | 0          | 0            | 0    | 2   |
| 483924       | PL.2587     | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.32                     | 0.70         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 4.525             | 0.000 | 5          | 1            | 1    | 1   |
| PL.40588     | PL.2587     | C   | 2ACSR              | 7.30Y     | 121.7        | 0.00            | 4.33                     | 1.51         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 4.597             | 0.072 | 0          | 0            | 0    | 1   |
| 4839046      | PL.40588    | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.33                     | 1.51         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 4.597             | 0.000 | 11         | 1            | 1    | 1   |
| 4839048      | PL.40588    | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.33                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.597             | 0.000 | 0          | 0            | 0    | 0   |
| PL.2586      | PL.39472    | C   | 4ACSR              | 7.30Y     | 121.7        | 0.01            | 4.32                     | 2.90         | 1        | 21         | 2         | 100        | 0.00      | 0.0               | 4.429             | 0.063 | 0          | 0            | 0    | 4   |
| 483942       | PL.2586     | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.32                     | 0.09         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.429             | 0.000 | 1          | 0            | 1    | 1   |
| 483906       | PL.2586     | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.32                     | 0.27         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 4.429             | 0.000 | 2          | 0            | 1    | 1   |
| 483926       | PL.2586     | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.32                     | 0.46         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 4.429             | 0.000 | 3          | 0            | 1    | 1   |
| 483918       | PL.2586     | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.32                     | 2.08         | 0        | 15         | 2         | 99         | 0.00      | 0.0               | 4.429             | 0.000 | 15         | 2            | 1    | 1   |
| 483907       | PL.39472    | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.31                     | 0.19         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.365             | 0.000 | 1          | 0            | 1    | 1   |
| 483929       | PL.14616    | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.29                     | 1.20         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 4.301             | 0.000 | 9          | 1            | 1    | 1   |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |       |      |            |              |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
| PL.26755     | PL.14616    | A   | 6ACWC              | 7.46Y     | 124.4        | -0.01           | 1.61                     | 0.00         | 0        | 0          | 0    | 0       | 100        | 0.02              | 0.0            | 4.388             | 0.087 | 0    | 0          | 0            | 0 |
|              |             | B   |                    | 7.43Y     | 123.8        | 0.01            | 2.22                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |                   | 0     | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.30Y     | 121.7        | 0.04            | 4.33                     | 10.13        | 5        | 74         | 8    | 99      |            |                   |                |                   | 0     | 0    | 0          | 14           |   |
| PL.26761     | PL.26755    | A   | 6ACWC              | 7.46Y     | 124.4        | -0.02           | 1.59                     | 0.00         | 0        | 0          | 0    | 0       | 100        | 0.04              | 0.1            | 4.577             | 0.188 | 0    | 0          | 0            | 0 |
|              |             | B   |                    | 7.43Y     | 123.8        | 0.01            | 2.23                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |                   | 0     | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.30Y     | 121.6        | 0.07            | 4.40                     | 9.13         | 5        | 66         | 7    | 99      |            |                   |                |                   | 0     | 0    | 0          | 13           |   |
| PL.26762     | PL.26761    | A   | 6ACWC              | 7.46Y     | 124.4        | -0.01           | 1.59                     | 0.00         | 0        | 0          | 0    | 0       | 100        | 0.01              | 0.0            | 4.627             | 0.051 | 0    | 0          | 0            | 0 |
|              |             | B   |                    | 7.43Y     | 123.8        | 0.00            | 2.23                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |                   | 0     | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.29Y     | 121.6        | 0.02            | 4.42                     | 8.82         | 5        | 64         | 7    | 99      |            |                   |                |                   | 0     | 0    | 0          | 12           |   |
| PL.39475     | PL.26762    | B   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.634          | 0.007             | 0     | 0    | 0          | 0            |   |
| PD.6939-A    | PL.39475    | B   | Closed             | 7.43Y     | 123.8        | 0.00            | 2.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.634          | 0.000             | 0     | 0    | 0          | 0            |   |
| PD.6939-B    | PD.6939-A   | B   | Closed             | 7.43Y     | 123.8        | 0.00            | 2.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.634          | 0.000             | 0     | 0    | 0          | 0            |   |
| PL.39476     | PD.6939-B   | B   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.961          | 0.327             | 0     | 0    | 0          | 0            |   |
| PL.2805      | PL.39476    | B   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.047          | 0.086             | 0     | 0    | 0          | 0            |   |
| 483902       | PL.2805     | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.047          | 0.000             | 0     | 0    | 0          | 0            |   |
| PL.19907     | PL.39476    | B   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.061          | 0.100             | 0     | 0    | 0          | 0            |   |
| PL.19908     | PL.19907    | B   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.124          | 0.063             | 0     | 0    | 0          | 0            |   |
| PD.444-B     | PL.19908    | B   | Open               | 7.43Y     | 123.8        | 0.00            | 2.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.124          | 0.000             | 0     | 0    | 0          | 0            |   |
| PL.39477     | PL.26762    | C   | 4ACSR              | 7.29Y     | 121.6        | 0.00            | 4.42                     | 8.82         | 5        | 64         | 7    | 99      | 0.00       | 0.0               | 4.635          | 0.007             | 0     | 0    | 0          | 12           |   |
| PD.6940-A    | PL.39477    | C   | Closed             | 7.29Y     | 121.6        | 0.00            | 4.42                     | 8.82         | 0        | 64         | 7    | 99      | 0.00       | 0.0               | 4.635          | 0.000             | 0     | 0    | 0          | 12           |   |
| PD.6940-B    | PD.6940-A   | C   | Closed             | 7.29Y     | 121.6        | 0.00            | 4.42                     | 8.82         | 0        | 64         | 7    | 99      | 0.00       | 0.0               | 4.635          | 0.000             | 0     | 0    | 0          | 12           |   |
| PL.39478     | PD.6940-B   | C   | 4ACSR              | 7.29Y     | 121.5        | 0.05            | 4.48                     | 8.82         | 5        | 64         | 7    | 99      | 0.03       | 0.0               | 4.781          | 0.146             | 0     | 0    | 0          | 12           |   |
| PL.14329     | PL.39478    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.02            | 4.50                     | 8.06         | 4        | 58         | 6    | 99      | 0.01       | 0.0               | 4.851          | 0.070             | 0     | 0    | 0          | 10           |   |
| PL.14330     | PL.14329    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.02            | 4.52                     | 8.03         | 4        | 58         | 6    | 99      | 0.01       | 0.0               | 4.908          | 0.057             | 0     | 0    | 0          | 9            |   |
| PL.14331     | PL.14330    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.02            | 4.54                     | 6.51         | 3        | 47         | 5    | 99      | 0.01       | 0.0               | 4.984          | 0.076             | 0     | 0    | 0          | 8            |   |
| PL.14332     | PL.14331    | C   | 4ACSR              | 7.29Y     | 121.4        | 0.03            | 4.57                     | 5.84         | 3        | 42         | 4    | 100     | 0.01       | 0.0               | 5.090          | 0.106             | 0     | 0    | 0          | 6            |   |
| PD.445-A     | PL.14332    | C   | Closed             | 7.29Y     | 121.4        | 0.00            | 4.57                     | 5.84         | 0        | 42         | 4    | 100     | 0.00       | 0.0               | 5.090          | 0.000             | 0     | 0    | 0          | 6            |   |
| PD.445-B     | PD.445-A    | C   | Closed             | 7.29Y     | 121.4        | 0.00            | 4.57                     | 5.84         | 0        | 42         | 4    | 100     | 0.00       | 0.0               | 5.090          | 0.000             | 0     | 0    | 0          | 6            |   |
| PL.12103     | PD.445-B    | C   | 4ACSR              | 7.28Y     | 121.4        | 0.02            | 4.59                     | 5.84         | 3        | 42         | 4    | 100     | 0.01       | 0.0               | 5.186          | 0.096             | 0     | 0    | 0          | 6            |   |
| PL.39414     | PL.12103    | C   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.59                     | 2.58         | 1        | 19         | 2    | 99      | 0.00       | 0.0               | 5.191          | 0.005             | 0     | 0    | 0          | 2            |   |
| PD.7100      | PL.39414    | C   | fuse6AMP           | 7.28Y     | 121.4        | 0.00            | 4.59                     | 2.58         | 44       | 19         | 2    | 99      | 0.00       | 0.0               | 5.191          | 0.000             | 0     | 0    | 0          | 2            |   |
| PL.39415     | PD.7100     | C   | 4ACSR              | 7.28Y     | 121.4        | 0.01            | 4.60                     | 2.58         | 1        | 19         | 2    | 99      | 0.00       | 0.0               | 5.256          | 0.065             | 0     | 0    | 0          | 2            |   |
| 483919       | PL.39415    | C   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.60                     | 2.10         | 0        | 15         | 2    | 99      | 0.00       | 0.0               | 5.256          | 0.000             | 15    | 2    | 1          | 1            |   |
| 483920       | PL.39415    | C   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.60                     | 0.48         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 5.256          | 0.000             | 4     | 0    | 1          | 1            |   |
| PL.12102     | PL.12103    | C   | 4ACSR              | 7.28Y     | 121.4        | 0.01            | 4.61                     | 3.26         | 2        | 24         | 2    | 100     | 0.00       | 0.0               | 5.288          | 0.102             | 0     | 0    | 0          | 4            |   |
| PL.7137      | PL.12102    | C   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.61                     | 1.23         | 1        | 9          | 1    | 99      | 0.00       | 0.0               | 5.310          | 0.022             | 0     | 0    | 0          | 2            |   |
| PL.7136      | PL.7137     | C   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.61                     | 1.23         | 1        | 9          | 1    | 99      | 0.00       | 0.0               | 5.370          | 0.060             | 0     | 0    | 0          | 2            |   |
| PL.40550     | PL.7136     | C   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.61                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.391          | 0.021             | 0     | 0    | 0          | 0            |   |
| PD.7221-A    | PL.40550    | C   | Open               | 7.28Y     | 121.4        | 0.00            | 4.61                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.391          | 0.000             | 0     | 0    | 0          | 0            |   |
| 483923       | PL.7136     | C   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.61                     | 0.43         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 5.370          | 0.000             | 3     | 0    | 1          | 1            |   |
| PL.39416     | PL.7136     | C   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.61                     | 0.80         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 5.376          | 0.006             | 0     | 0    | 0          | 1            |   |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PD.7101      | PL.39416    | C   | fuse6AMP           | 7.28Y     | 121.4        | 0.00            | 4.61                     | 0.80         | 14       | 6          | 1       | 99         | 0.00      | 0.0               | 5.376                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.39417     | PD.7101     | C   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.61                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.431                               | 0.055 | 0    | 0          | 0            | 1 |
| 483928       | PL.39417    | C   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.61                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.431                               | 0.000 | 6    | 1          | 1            | 1 |
| 483937       | PL.12102    | C   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.61                     | 1.36         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 5.288                               | 0.000 | 10   | 1          | 1            | 1 |
| 483936       | PL.12102    | C   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.61                     | 0.66         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 5.288                               | 0.000 | 5    | 0          | 1            | 1 |
| PL.39485     | PL.14331    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.54                     | 0.67         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.989                               | 0.005 | 0    | 0          | 0            | 2 |
| PD.6944      | PL.39485    | C   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.54                     | 0.67         | 11       | 5          | 1       | 98         | 0.00      | 0.0               | 4.989                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.39486     | PD.6944     | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.54                     | 0.67         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.027                               | 0.038 | 0    | 0          | 0            | 2 |
| 483939       | PL.39486    | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.54                     | 0.67         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.027                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.7144      | PL.39486    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.54                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.060                               | 0.033 | 0    | 0          | 0            | 1 |
| 483938       | PL.7144     | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.54                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.060                               | 0.000 | 0    | 0          | 0            | 0 |
| 483932       | PL.7144     | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.54                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.060                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.39483     | PL.14330    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.52                     | 1.52         | 1        | 11         | 1       | 100        | 0.00      | 0.0               | 4.912                               | 0.004 | 0    | 0          | 0            | 1 |
| PD.6943      | PL.39483    | C   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.52                     | 1.52         | 26       | 11         | 1       | 100        | 0.00      | 0.0               | 4.912                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.39484     | PD.6943     | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.53                     | 1.52         | 1        | 11         | 1       | 100        | 0.00      | 0.0               | 4.963                               | 0.051 | 0    | 0          | 0            | 1 |
| 483912       | PL.39484    | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.53                     | 1.52         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 4.963                               | 0.000 | 11   | 1          | 1            | 1 |
| PL.39481     | PL.14329    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.50                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.854                               | 0.003 | 0    | 0          | 0            | 1 |
| PD.6942      | PL.39481    | C   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.50                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.854                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.39482     | PD.6942     | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.50                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.928                               | 0.073 | 0    | 0          | 0            | 1 |
| 483941       | PL.39482    | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.50                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.928                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.39479     | PL.39478    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.48                     | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.787                               | 0.007 | 0    | 0          | 0            | 2 |
| PD.6941      | PL.39479    | C   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.48                     | 0.76         | 13       | 6          | 1       | 99         | 0.00      | 0.0               | 4.787                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.39480     | PD.6941     | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.48                     | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.937                               | 0.149 | 0    | 0          | 0            | 2 |
| 483933       | PL.39480    | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.48                     | 0.16         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.937                               | 0.000 | 1    | 0          | 1            | 1 |
| 483910       | PL.39480    | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.48                     | 0.61         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 4.937                               | 0.000 | 4    | 0          | 1            | 1 |
| PL.39473     | PL.26761    | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.586                               | 0.009 | 0    | 0          | 0            | 1 |
| PD.6938      | PL.39473    | C   | fuse6AMP           | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.31         | 5        | 2          | 0       | 100        | 0.00      | 0.0               | 4.586                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.39474     | PD.6938     | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.692                               | 0.106 | 0    | 0          | 0            | 1 |
| 483909       | PL.39474    | C   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.692                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.26757     | PL.26755    | C   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.33                     | 1.00         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 4.397                               | 0.009 | 0    | 0          | 0            | 1 |
| PD.6937      | PL.26757    | C   | fuse6AMP           | 7.30Y     | 121.7        | 0.00            | 4.33                     | 1.00         | 17       | 7          | 1       | 99         | 0.00      | 0.0               | 4.397                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.7139      | PD.6937     | C   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.33                     | 1.00         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 4.486                               | 0.089 | 0    | 0          | 0            | 1 |
| 483934       | PL.7139     | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.33                     | 1.00         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.486                               | 0.000 | 7    | 1          | 1            | 1 |
| 483921       | PL.7139     | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.33                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.486                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.26756     | PL.26755    | B   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.22                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.388                               | 0.000 | 0    | 0          | 0            | 0 |
| 483903       | PL.18763    | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.270                               | 0.000 | 0    | 0          | 0            | 0 |
| 483916       | PL.18763    | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.270                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.39469     | PL.18763    | C   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.27                     | 1.35         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 4.278                               | 0.009 | 0    | 0          | 0            | 2 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PD.6935      | PL.39469    | C   | fuse6AMP           | 7.30Y     | 121.7        | 0.00            | 4.27                     | 1.35         | 23       | 10         | 1       | 100        | 0.00      | 0.0               | 4.278                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.39470     | PD.6935     | C   | 4ACSR              | 7.30Y     | 121.7        | 0.01            | 4.27                     | 1.35         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 4.370                               | 0.092 | 0    | 0          | 0            | 2 |
| 483935       | PL.39470    | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.370                               | 0.000 | 0    | 0          | 1            | 1 |
| 483815       | PL.39470    | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.27                     | 1.35         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 4.370                               | 0.000 | 10   | 1          | 1            | 1 |
| 483811       | PL.14619    | C   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.18                     | 0.29         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 4.160                               | 0.000 | 2    | 1          | 1            | 1 |
| 483812       | PL.14619    | C   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.18                     | 0.75         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.160                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.39462     | PL.14618    | A   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.64                     | 2.54         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 4.056                               | 0.003 | 0    | 0          | 0            | 3 |
| PD.6933      | PL.39462    | A   | fuse6AMP           | 7.46Y     | 124.4        | 0.00            | 1.64                     | 2.54         | 43       | 19         | 2       | 99         | 0.00      | 0.0               | 4.056                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.39465     | PD.6933     | A   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.64                     | 2.54         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 4.058                               | 0.002 | 0    | 0          | 0            | 3 |
| PL.39466     | PL.39465    | A   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.65                     | 0.89         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.168                               | 0.110 | 0    | 0          | 0            | 1 |
| 483830       | PL.39466    | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.65                     | 0.89         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.168                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.39464     | PL.39465    | A   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.65                     | 1.65         | 1        | 12         | 1       | 100        | 0.00      | 0.0               | 4.093                               | 0.035 | 0    | 0          | 0            | 2 |
| 483822       | PL.39464    | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.65                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.093                               | 0.000 | 0    | 0          | 1            | 1 |
| 483823       | PL.39464    | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.65                     | 1.63         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 4.093                               | 0.000 | 12   | 1          | 1            | 1 |
| PL.18193     | PL.14617    | B   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.05                     | 1.34         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 3.990                               | 0.016 | 0    | 0          | 0            | 1 |
| PD.1741      | PL.18193    | B   | fuse6AMP           | 7.44Y     | 124.0        | 0.00            | 2.05                     | 1.34         | 23       | 10         | 1       | 100        | 0.00      | 0.0               | 3.990                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.18194     | PD.1741     | B   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.05                     | 1.34         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 4.078                               | 0.088 | 0    | 0          | 0            | 1 |
| 483814       | PL.18194    | B   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.05                     | 1.34         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 4.078                               | 0.000 | 10   | 1          | 1            | 1 |
| 483806       | PL.14608    | B   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.80                     | 0.86         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.674                               | 0.000 | 6    | 1          | 1            | 1 |
| 483819       | PL.14606    | B   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.75                     | 1.60         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 3.622                               | 0.000 | 12   | 1          | 1            | 1 |
| 483825       | PL.14606    | B   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.75                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.622                               | 0.000 | 1    | 0          | 1            | 1 |
| 483829       | PL.14606    | B   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.75                     | 1.96         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 3.622                               | 0.000 | 14   | 2          | 1            | 1 |
| PL.15785     | PL.14606    | A   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.55                     | 0.99         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 3.654                               | 0.031 | 0    | 0          | 0            | 3 |
| PD.1740      | PL.15785    | A   | fuse6AMP           | 7.47Y     | 124.5        | 0.00            | 1.55                     | 0.99         | 17       | 7          | 1       | 99         | 0.00      | 0.0               | 3.654                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.15786     | PD.1740     | A   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.55                     | 0.99         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 3.738                               | 0.085 | 0    | 0          | 0            | 3 |
| PL.2807      | PL.15786    | A   | 4ACSR              | 7.47Y     | 124.4        | 0.01            | 1.56                     | 0.99         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 4.049                               | 0.311 | 0    | 0          | 0            | 3 |
| 483802       | PL.2807     | A   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.95         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.049                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.7145      | PL.2807     | A   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.151                               | 0.102 | 0    | 0          | 0            | 2 |
| 483834       | PL.7145     | A   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.151                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.7146      | PL.7145     | A   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.227                               | 0.075 | 0    | 0          | 0            | 1 |
| 484816       | PL.7146     | A   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.227                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.15787     | PL.7140     | A   | 4ACSR              | 7.47Y     | 124.6        | 0.00            | 1.43                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.339                               | 0.017 | 0    | 0          | 0            | 1 |
| PD.1739      | PL.15787    | A   | fuse6AMP           | 7.47Y     | 124.6        | 0.00            | 1.43                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.339                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.15788     | PD.1739     | A   | 4ACSR              | 7.47Y     | 124.6        | 0.00            | 1.43                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.765                               | 0.426 | 0    | 0          | 0            | 1 |
| PL.3236      | PL.15788    | A   | 4ACSR              | 7.47Y     | 124.6        | 0.00            | 1.43                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.947                               | 0.182 | 0    | 0          | 0            | 1 |
| PL.3185      | PL.3236     | A   | 4ACSR              | 7.47Y     | 124.6        | 0.00            | 1.43                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.009                               | 0.062 | 0    | 0          | 0            | 1 |
| 483711       | PL.3185     | A   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.43                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.009                               | 0.000 | 0    | 0          | 1            | 1 |
| 483803       | PL.7140     | B   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.45                     | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.322                               | 0.000 | 2    | 0          | 1            | 1 |



Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.14626     | PL.39459    | B   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.97         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 2.816                               | 0.011 | 0    | 0          | 0            | 1 |
| PD.1728      | PL.14626    | B   | fuse6AMP           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.97         | 17       | 7          | 1       | 99         | 0.00      | 0.0               | 2.816                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.27791     | PD.1728     | B   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.97         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 2.891                               | 0.075 | 0    | 0          | 0            | 1 |
| 483710       | PL.27791    | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.97         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.891                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.39460     | PL.11924    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.659                               | 0.006 | 0    | 0          | 0            | 1 |
| PD.6932      | PL.39460    | A   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.04         | 1        | 0          | 0       | 100        | 0.00      | 0.0               | 2.659                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.39461     | PD.6932     | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.686                               | 0.026 | 0    | 0          | 0            | 1 |
| 483753       | PL.39461    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.686                               | 0.000 | 0    | 0          | 1            | 1 |
| 483706       | PL.11923    | B   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.63                     | 0.83         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.518                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.28757     | PL.11922    | A   | 4ACSR              | 7.49Y     | 124.9        | 0.01            | 1.11                     | 1.96         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 2.512                               | 0.061 | 0    | 0          | 0            | 2 |
| PL.28758     | PL.28757    | A   | 4ACSR              | 7.49Y     | 124.9        | 0.00            | 1.11                     | 1.96         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 2.512                               | 0.000 | 0    | 0          | 0            | 2 |
| 483746       | PL.28758    | A   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.11                     | 1.55         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 2.512                               | 0.000 | 12   | 1          | 1            | 1 |
| PL.7122      | PL.28758    | A   | 4ACSR              | 7.49Y     | 124.9        | 0.00            | 1.11                     | 0.41         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.638                               | 0.126 | 0    | 0          | 0            | 1 |
| 483740       | PL.7122     | A   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.11                     | 0.41         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.638                               | 0.000 | 3    | 0          | 1            | 1 |
| 483729       | PL.19743    | A   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.10                     | 1.26         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.444                               | 0.000 | 9    | 1          | 1            | 1 |
| 483718       | PL.11921    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 1.27         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.389                               | 0.000 | 10   | 1          | 1            | 1 |
| PL.11912     | PL.39271    | C   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.87                     | 1.72         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 2.256                               | 0.011 | 0    | 0          | 0            | 1 |
| PL.18281     | PL.11912    | C   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.87                     | 1.72         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 2.264                               | 0.009 | 0    | 0          | 0            | 1 |
| PD.1725      | PL.18281    | C   | fuse6AMP           | 7.45Y     | 124.1        | 0.00            | 1.87                     | 1.72         | 29       | 13         | 1       | 100        | 0.00      | 0.0               | 2.264                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.18282     | PD.1725     | C   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.87                     | 1.72         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 2.289                               | 0.025 | 0    | 0          | 0            | 1 |
| PL.2663      | PL.18282    | C   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.87                     | 1.72         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 2.350                               | 0.061 | 0    | 0          | 0            | 1 |
| 482710       | PL.2663     | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.87                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.350                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.24129     | PL.2663     | C   | 4ACSR              | 7.45Y     | 124.1        | 0.01            | 1.88                     | 1.72         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 2.436                               | 0.086 | 0    | 0          | 0            | 1 |
| 482722       | PL.24129    | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88                     | 1.72         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 2.436                               | 0.000 | 13   | 1          | 1            | 1 |
| 483732       | PL.18278    | C   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.44                     | 1.33         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.032                               | 0.000 | 10   | 1          | 1            | 1 |
| PL.18279     | PL.18278    | B   | 4ACSR              | 7.56Y     | 125.9        | 0.00            | 0.08                     | 1.04         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 2.044                               | 0.012 | 0    | 0          | 0            | 2 |
| PD.1730-A    | PL.18279    | B   | Closed             | 7.56Y     | 125.9        | 0.00            | 0.08                     | 1.04         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.044                               | 0.000 | 0    | 0          | 0            | 2 |
| PD.1730-B    | PD.1730-A   | B   | Closed             | 7.56Y     | 125.9        | 0.00            | 0.08                     | 1.04         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.044                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.18280     | PD.1730-B   | B   | 4ACSR              | 7.55Y     | 125.9        | 0.00            | 0.08                     | 1.04         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 2.138                               | 0.094 | 0    | 0          | 0            | 2 |
| 483750       | PL.18280    | B   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.08                     | 1.04         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.138                               | 0.000 | 8    | 1          | 1            | 1 |
| 483730       | PL.18280    | B   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.08                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.138                               | 0.000 | 0    | 0          | 1            | 1 |
| 482708       | PL.43094    | C   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.44         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.968                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.43083     | PL.43087    | C   | 2ACSR              | 7.48Y     | 124.7        | 0.00            | 1.32                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.854                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.8573      | PL.43083    | C   | fuse6AMP           | 7.48Y     | 124.7        | 0.00            | 1.32                     | 0.73         | 13       | 5          | 1       | 98         | 0.00      | 0.0               | 1.854                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.43084     | PD.8573     | C   | 2ACSR              | 7.48Y     | 124.7        | 0.00            | 1.32                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.921                               | 0.067 | 0    | 0          | 0            | 1 |
| 482724       | PL.43084    | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.32                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.921                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.43088     | PL.43086    | A   | 336ACSR            | 7.52Y     | 125.3        | -0.00           | 0.71                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.802                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.1703      | PL.43088    | A   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.71                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.802                               | 0.000 | 0    | 0          | 0            | 1 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.43089     | PD.1703     | A   | 336ACSR            | 7.52Y     | 125.3        | -0.00           | 0.71                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.864                               | 0.062 | 0    | 0          | 0            | 1 |
| 482719       | PL.43089    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.71                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.864                               | 0.000 | 0    | 0          | 1            | 1 |
| 482704       | PL.43064    | B   | Consumer           | 7.56Y     | 126.0        | 0.00            | -0.01                    | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.656                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.43068     | PL.43064    | A   | 2ACSR              | 7.52Y     | 125.3        | 0.00            | 0.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.662                               | 0.005 | 0    | 0          | 0            | 0 |
| PD.8570      | PL.43068    | A   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.662                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.43069     | PD.8570     | A   | 2ACSR              | 7.52Y     | 125.3        | 0.00            | 0.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.732                               | 0.070 | 0    | 0          | 0            | 0 |
| PL.43066     | PL.43061    | C   | 2ACSR              | 7.49Y     | 124.8        | 0.00            | 1.15                     | 1.72         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 1.499                               | 0.004 | 0    | 0          | 0            | 1 |
| PD.8569      | PL.43066    | C   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.15                     | 1.72         | 29       | 13         | 1       | 100        | 0.00      | 0.0               | 1.499                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.43067     | PD.8569     | C   | 2ACSR              | 7.49Y     | 124.8        | 0.00            | 1.15                     | 1.72         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 1.562                               | 0.063 | 0    | 0          | 0            | 1 |
| 482716       | PL.43067    | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.15                     | 1.72         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 1.562                               | 0.000 | 13   | 1          | 1            | 1 |
| PL.43056     | PL.43053    | A   | 2ACSR              | 7.52Y     | 125.4        | 0.00            | 0.61                     | 0.20         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.469                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.1701      | PL.43056    | A   | fuse6AMP           | 7.52Y     | 125.4        | 0.00            | 0.61                     | 0.20         | 3        | 1          | 0       | 100        | 0.00      | 0.0               | 1.469                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.43057     | PD.1701     | A   | 2ACSR              | 7.52Y     | 125.4        | 0.00            | 0.61                     | 0.20         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.625                               | 0.156 | 0    | 0          | 0            | 1 |
| 482606       | PL.43057    | A   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.61                     | 0.20         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.625                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.43058     | PL.43053    | C   | 2ACSR              | 7.49Y     | 124.9        | 0.00            | 1.13                     | 2.66         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 1.469                               | 0.005 | 0    | 0          | 0            | 4 |
| PD.8568      | PL.43058    | C   | fuse6AMP           | 7.49Y     | 124.9        | 0.00            | 1.13                     | 2.66         | 45       | 20         | 2       | 100        | 0.00      | 0.0               | 1.469                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.43059     | PD.8568     | C   | 2ACSR              | 7.49Y     | 124.9        | 0.01            | 1.14                     | 2.66         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 1.547                               | 0.078 | 0    | 0          | 0            | 4 |
| PL.11872     | PL.43059    | C   | 4ACSR              | 7.49Y     | 124.9        | 0.00            | 1.14                     | 2.64         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 1.563                               | 0.016 | 0    | 0          | 0            | 3 |
| PL.11873     | PL.11872    | C   | 4ACSR              | 7.49Y     | 124.8        | 0.01            | 1.15                     | 2.64         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 1.677                               | 0.114 | 0    | 0          | 0            | 3 |
| PL.2869      | PL.11873    | C   | 4ACSR              | 7.49Y     | 124.8        | 0.01            | 1.16                     | 2.64         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 1.753                               | 0.076 | 0    | 0          | 0            | 2 |
| 482727       | PL.2869     | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.16                     | 1.07         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.753                               | 0.000 | 8    | 1          | 1            | 1 |
| 482730       | PL.2869     | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.16                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.753                               | 0.000 | 0    | 0          | 0            | 0 |
| 482717       | PL.2869     | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.16                     | 1.57         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 1.753                               | 0.000 | 12   | 1          | 1            | 1 |
| PL.2870      | PL.11873    | C   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.15                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.751                               | 0.074 | 0    | 0          | 0            | 1 |
| 482715       | PL.2870     | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.15                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.751                               | 0.000 | 0    | 0          | 1            | 1 |
| 482702       | PL.43059    | C   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.14                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.547                               | 0.000 | 0    | 0          | 1            | 1 |
| 482701       | PL.45774    | B   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.293                               | 0.000 | 2    | 0          | 1            | 1 |
| 482714       | PL.43047    | B   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.01                     | 1.48         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.291                               | 0.000 | 11   | 1          | 1            | 1 |
| PL.43049     | PL.43047    | A   | 2ACSR              | 7.53Y     | 125.4        | 0.00            | 0.56                     | 3.71         | 1        | 28         | 3       | 99         | 0.00      | 0.0               | 1.295                               | 0.005 | 0    | 0          | 0            | 4 |
| PD.1704      | PL.43049    | A   | fuse6AMP           | 7.53Y     | 125.4        | 0.00            | 0.56                     | 3.71         | 63       | 28         | 3       | 99         | 0.00      | 0.0               | 1.295                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.43048     | PD.1704     | A   | 2ACSR              | 7.53Y     | 125.4        | 0.00            | 0.56                     | 3.71         | 1        | 28         | 3       | 99         | 0.00      | 0.0               | 1.323                               | 0.028 | 0    | 0          | 0            | 4 |
| 482626       | PL.43048    | A   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.323                               | 0.000 | 0    | 0          | 1            | 1 |
| 482627       | PL.43048    | A   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56                     | 1.26         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.323                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.24130     | PL.43048    | A   | 4ACSR              | 7.53Y     | 125.4        | 0.00            | 0.56                     | 2.45         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 1.367                               | 0.045 | 0    | 0          | 0            | 2 |
| 482631       | PL.24130    | A   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56                     | 2.01         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 1.367                               | 0.000 | 15   | 2          | 1            | 1 |
| 482628       | PL.24130    | A   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56                     | 0.44         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.367                               | 0.000 | 3    | 0          | 1            | 1 |
| 482621       | PL.43031    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.01                     | 1.24         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.250                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.43027     | PL.43024    | A   | 336ACSR            | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.157                               | 0.004 | 0    | 0          | 0            | 1 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PD.8564      | PL.43027    | A   | fuse6AMP           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.80         | 14       | 6          | 1       | 99         | 0.00      | 0.0               | 1.157                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.43028     | PD.8564     | A   | 336ACSR            | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.205                               | 0.048 | 0    | 0          | 0            | 1 |
| PL.7054      | PL.43028    | A   | 4ACSR              | 7.53Y     | 125.5        | 0.01            | 0.52                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.574                               | 0.368 | 0    | 0          | 0            | 1 |
| PL.2867      | PL.7054     | A   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.633                               | 0.059 | 0    | 0          | 0            | 1 |
| 482619       | PL.2867     | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.633                               | 0.000 | 6    | 1          | 1            | 1 |
| 482618       | PL.43024    | B   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.153                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.43023     | PL.43024    | C   | 2ACSR              | 7.50Y     | 125.0        | 0.00            | 0.96                     | 3.11         | 1        | 23         | 2       | 100        | 0.00      | 0.0               | 1.173                               | 0.019 | 0    | 0          | 0            | 4 |
| PL.33943     | PL.43023    | C   | 2ACSR              | 7.50Y     | 125.0        | 0.01            | 0.96                     | 3.11         | 1        | 23         | 2       | 100        | 0.00      | 0.0               | 1.229                               | 0.057 | 0    | 0          | 0            | 4 |
| PL.43034     | PL.33943    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.97                     | 1.89         | 1        | 14         | 1       | 100        | 0.00      | 0.0               | 1.292                               | 0.063 | 0    | 0          | 0            | 3 |
| PL.43035     | PL.43034    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.97                     | 1.04         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 1.347                               | 0.055 | 0    | 0          | 0            | 1 |
| 4826038      | PL.43035    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.347                               | 0.000 | 0    | 0          | 0            | 0 |
| 482611       | PL.43035    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 1.04         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.347                               | 0.000 | 8    | 1          | 1            | 1 |
| 482615       | PL.43034    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 0.81         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.292                               | 0.000 | 6    | 1          | 1            | 1 |
| 482632       | PL.43034    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.292                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.33944     | PL.33943    | C   | 1/0EPRJCN          | 7.50Y     | 125.0        | 0.00            | 0.96                     | 1.22         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 1.280                               | 0.051 | 0    | 0          | 0            | 1 |
| 4826036      | PL.33944    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.96                     | 1.23         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.280                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.43019     | PL.43016    | C   | 2ACSR              | 7.51Y     | 125.2        | 0.00            | 0.83                     | 1.26         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 0.959                               | 0.004 | 0    | 0          | 0            | 1 |
| PD.8562      | PL.43019    | C   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.83                     | 1.26         | 22       | 9          | 1       | 99         | 0.00      | 0.0               | 0.959                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.43020     | PD.8562     | C   | 2ACSR              | 7.51Y     | 125.2        | 0.00            | 0.83                     | 1.26         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 0.982                               | 0.023 | 0    | 0          | 0            | 1 |
| 482624       | PL.43020    | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.83                     | 1.26         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 0.982                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.43013     | PL.43005    | C   | 336ACSR            | 7.51Y     | 125.2        | 0.00            | 0.81                     | 1.77         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 0.934                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.1698      | PL.43013    | C   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.81                     | 1.77         | 30       | 13         | 1       | 100        | 0.00      | 0.0               | 0.934                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.43014     | PD.1698     | C   | 336ACSR            | 7.51Y     | 125.2        | 0.00            | 0.81                     | 1.77         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 0.950                               | 0.017 | 0    | 0          | 0            | 1 |
| 482614       | PL.43014    | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.81                     | 1.77         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 0.950                               | 0.000 | 13   | 1          | 1            | 1 |
| PL.42994     | PL.42992    | C   | 2ACSR              | 7.52Y     | 125.3        | 0.00            | 0.75                     | 0.17         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.830                               | 0.004 | 0    | 0          | 0            | 1 |
| PD.1699      | PL.42994    | C   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.75                     | 0.17         | 3        | 1          | 0       | 100        | 0.00      | 0.0               | 0.830                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.42995     | PD.1699     | C   | 2ACSR              | 7.52Y     | 125.3        | 0.00            | 0.75                     | 0.17         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.883                               | 0.052 | 0    | 0          | 0            | 1 |
| 482610       | PL.42995    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.75                     | 0.17         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.883                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.42998     | PL.42989    | A   | 2ACSR              | 7.54Y     | 125.6        | 0.00            | 0.38                     | 4.12         | 2        | 31         | 3       | 100        | 0.00      | 0.0               | 0.807                               | 0.008 | 0    | 0          | 0            | 5 |
| PD.8560      | PL.42998    | A   | fuse6AMP           | 7.54Y     | 125.6        | 0.00            | 0.38                     | 4.12         | 70       | 31         | 3       | 100        | 0.00      | 0.0               | 0.807                               | 0.000 | 0    | 0          | 0            | 5 |
| PL.42999     | PD.8560     | A   | 2ACSR              | 7.54Y     | 125.6        | 0.01            | 0.39                     | 4.12         | 2        | 31         | 3       | 100        | 0.00      | 0.0               | 0.881                               | 0.074 | 0    | 0          | 0            | 5 |
| 482625       | PL.42999    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.881                               | 0.000 | 6    | 1          | 1            | 1 |
| 482602       | PL.42999    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.38         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.881                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.24132     | PL.42999    | A   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.40                     | 2.97         | 2        | 22         | 2       | 100        | 0.00      | 0.0               | 0.939                               | 0.058 | 0    | 0          | 0            | 3 |
| PL.24134     | PL.24132    | A   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.41                     | 1.80         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 1.078                               | 0.139 | 0    | 0          | 0            | 1 |
| 482634       | PL.24134    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.41                     | 1.80         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 1.078                               | 0.000 | 13   | 1          | 1            | 1 |
| 482630       | PL.24132    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40                     | 0.16         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.939                               | 0.000 | 1    | 0          | 1            | 1 |
| 482629       | PL.24132    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40                     | 1.02         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 0.939                               | 0.000 | 8    | 1          | 1            | 1 |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 1 (SIDEVIEW1) beginning with device PD.3907.

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.3096, 480511, PL.10164, etc.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | Length<br>(mi) | Element |     | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|----------------|---------|-----|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | KW    | KVAR  |                   |                |         |     |            |              |
| PL.10183     | PL.7066     | A   | 1/0ACSR            | 14.98Y    | 124.9        | 0.03            | 1.15                     | 46.77        | 14       | 696        | 85   | 99      | 0.35       | 0.0       | 2.196 | 0.071 | 0                 | 0              | 0       | 140 |            |              |
|              |             | B   |                    | 14.99Y    | 124.9        | 0.03            | 1.11                     | 51.76        | 16       | 768        | 108  | 99      |            |           |       |       | 0                 | 0              | 0       | 165 |            |              |
|              |             | C   |                    | 15.02Y    | 125.2        | 0.01            | 0.84                     | 28.35        | 9        | 424        | 41   | 100     |            |           |       |       | 0                 | 0              | 0       | 81  |            |              |
| PL.10181     | PL.10183    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.84                     | 0.55         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 2.203 | 0.008 | 0                 | 0              | 0       | 1   |            |              |
| PD.1687      | PL.10181    | C   | fuse6AMP           | 15.02Y    | 125.2        | 0.00            | 0.84                     | 0.55         | 9        | 8          | 1    | 99      | 0.00       | 0.0       | 2.203 | 0.000 | 0                 | 0              | 0       | 1   |            |              |
| PL.10182     | PD.1687     | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.84                     | 0.55         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 2.309 | 0.105 | 0                 | 0              | 0       | 1   |            |              |
| 480610       | PL.10182    | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.84                     | 0.55         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 2.309 | 0.000 | 8                 | 1              | 1       | 1   |            |              |
| PL.20552     | PL.10183    | A   | 1/0ACSR            | 14.98Y    | 124.8        | 0.01            | 1.15                     | 46.77        | 14       | 696        | 84   | 99      | 0.05       | 0.0       | 2.206 | 0.011 | 0                 | 0              | 0       | 140 |            |              |
|              |             | B   |                    | 14.99Y    | 124.9        | 0.00            | 1.11                     | 51.76        | 16       | 768        | 108  | 99      |            |           |       |       | 0                 | 0              | 0       | 165 |            |              |
|              |             | C   |                    | 15.02Y    | 125.2        | 0.00            | 0.84                     | 27.79        | 8        | 415        | 40   | 100     |            |           |       |       | 0                 | 0              | 0       | 80  |            |              |
| PD.432-A     | PL.20552    | A   | Closed             | 14.98Y    | 124.8        | 0.00            | 1.15                     | 46.77        | 0        | 696        | 84   | 99      | 0.00       | 0.0       | 2.206 | 0.000 | 0                 | 0              | 0       | 140 |            |              |
|              |             | B   |                    | 14.99Y    | 124.9        | 0.00            | 1.11                     | 51.76        | 0        | 768        | 108  | 99      |            |           |       |       | 0                 | 0              | 0       | 165 |            |              |
|              |             | C   |                    | 15.02Y    | 125.2        | 0.00            | 0.84                     | 27.79        | 0        | 415        | 40   | 100     |            |           |       |       | 0                 | 0              | 0       | 80  |            |              |
| PD.432-B     | PD.432-A    | A   | Closed             | 14.98Y    | 124.8        | 0.00            | 1.15                     | 46.77        | 0        | 696        | 84   | 99      | 0.00       | 0.0       | 2.206 | 0.000 | 0                 | 0              | 0       | 140 |            |              |
|              |             | B   |                    | 14.99Y    | 124.9        | 0.00            | 1.11                     | 51.76        | 0        | 768        | 108  | 99      |            |           |       |       | 0                 | 0              | 0       | 165 |            |              |
|              |             | C   |                    | 15.02Y    | 125.2        | 0.00            | 0.84                     | 27.79        | 0        | 415        | 40   | 100     |            |           |       |       | 0                 | 0              | 0       | 80  |            |              |
| PL.20553     | PD.432-B    | A   | 1/0ACSR            | 14.98Y    | 124.8        | 0.01            | 1.16                     | 46.77        | 14       | 696        | 84   | 99      | 0.09       | 0.0       | 2.225 | 0.019 | 0                 | 0              | 0       | 140 |            |              |
|              |             | B   |                    | 14.99Y    | 124.9        | 0.01            | 1.12                     | 51.76        | 16       | 768        | 108  | 99      |            |           |       |       | 0                 | 0              | 0       | 165 |            |              |
|              |             | C   |                    | 15.02Y    | 125.2        | 0.00            | 0.85                     | 27.79        | 8        | 415        | 40   | 100     |            |           |       |       | 0                 | 0              | 0       | 80  |            |              |
| PL.24869     | PL.20553    | A   | 1/0ACSR            | 14.97Y    | 124.7        | 0.12            | 1.28                     | 46.77        | 14       | 696        | 84   | 99      | 1.23       | 0.1       | 2.473 | 0.248 | 0                 | 0              | 0       | 140 |            |              |
|              |             | B   |                    | 14.97Y    | 124.8        | 0.10            | 1.22                     | 51.76        | 16       | 768        | 108  | 99      |            |           |       |       | 0                 | 0              | 0       | 165 |            |              |
|              |             | C   |                    | 15.01Y    | 125.1        | 0.04            | 0.88                     | 27.79        | 8        | 415        | 40   | 100     |            |           |       |       | 0                 | 0              | 0       | 80  |            |              |
| PL.24872     | PL.24869    | A   | 1/0ACSR            | 14.96Y    | 124.7        | 0.03            | 1.31                     | 46.77        | 14       | 695        | 84   | 99      | 0.30       | 0.0       | 2.535 | 0.062 | 0                 | 0              | 0       | 140 |            |              |
|              |             | B   |                    | 14.97Y    | 124.8        | 0.02            | 1.24                     | 51.42        | 16       | 763        | 107  | 99      |            |           |       |       | 0                 | 0              | 0       | 162 |            |              |
|              |             | C   |                    | 15.01Y    | 125.1        | 0.01            | 0.89                     | 27.79        | 8        | 415        | 40   | 100     |            |           |       |       | 0                 | 0              | 0       | 80  |            |              |
| 429605       | PL.24872    | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.24                     | 0.55         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 2.535 | 0.000 | 8                 | 1              | 1       | 1   |            |              |
| 4296013      | PL.24872    | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.24                     | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 2.535 | 0.000 | 7                 | 1              | 1       | 1   |            |              |
| PL.24873     | PL.24872    | A   | 1/0ACSR            | 14.94Y    | 124.5        | 0.19            | 1.49                     | 46.77        | 14       | 695        | 84   | 99      | 1.91       | 0.1       | 2.932 | 0.397 | 0                 | 0              | 0       | 140 |            |              |
|              |             | B   |                    | 14.95Y    | 124.6        | 0.15            | 1.39                     | 50.42        | 15       | 747        | 105  | 99      |            |           |       |       | 0                 | 0              | 0       | 160 |            |              |
|              |             | C   |                    | 15.01Y    | 125.0        | 0.06            | 0.95                     | 27.79        | 8        | 415        | 40   | 100     |            |           |       |       | 0                 | 0              | 0       | 80  |            |              |
| PL.24552     | PL.24873    | A   | 1/0ACSR            | 14.93Y    | 124.4        | 0.08            | 1.57                     | 46.77        | 14       | 694        | 83   | 99      | 0.66       | 0.0       | 3.080 | 0.148 | 0                 | 0              | 0       | 140 |            |              |
|              |             | B   |                    | 14.95Y    | 124.6        | 0.05            | 1.44                     | 50.42        | 15       | 747        | 104  | 99      |            |           |       |       | 0                 | 0              | 0       | 160 |            |              |
|              |             | C   |                    | 15.01Y    | 125.0        | 0.00            | 0.95                     | 14.31        | 4        | 214        | 22   | 99      |            |           |       |       | 0                 | 0              | 0       | 49  |            |              |
| 428722       | PL.24552    | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.44                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.080 | 0.000 | 0                 | 0              | 1       | 1   |            |              |
| PL.10229     | PL.24552    | A   | 1/0ACSR            | 14.93Y    | 124.4        | 0.05            | 1.62                     | 46.77        | 14       | 693        | 83   | 99      | 0.45       | 0.0       | 3.180 | 0.100 | 0                 | 0              | 0       | 140 |            |              |
|              |             | B   |                    | 14.94Y    | 124.5        | 0.03            | 1.48                     | 50.42        | 15       | 746        | 103  | 99      |            |           |       |       | 0                 | 0              | 0       | 159 |            |              |
|              |             | C   |                    | 15.01Y    | 125.0        | 0.00            | 0.95                     | 14.31        | 4        | 214        | 22   | 99      |            |           |       |       | 0                 | 0              | 0       | 49  |            |              |
| PL.10230     | PL.10229    | A   | 1/0ACSR            | 14.92Y    | 124.4        | 0.00            | 1.63                     | 46.64        | 14       | 691        | 82   | 99      | 0.04       | 0.0       | 3.189 | 0.009 | 0                 | 0              | 0       | 139 |            |              |
|              |             | B   |                    | 14.94Y    | 124.5        | 0.00            | 1.48                     | 50.42        | 15       | 746        | 103  | 99      |            |           |       |       | 0                 | 0              | 0       | 159 |            |              |
|              |             | C   |                    | 15.01Y    | 125.0        | 0.00            | 0.95                     | 14.19        | 4        | 212        | 22   | 99      |            |           |       |       | 0                 | 0              | 0       | 48  |            |              |
| PD.305       | PL.10230    | A   | VWVE               | 14.92Y    | 124.4        | 0.00            | 1.63                     | 46.64        | 0        | 691        | 82   | 99      | 0.00       | 0.0       | 3.189 | 0.000 | 0                 | 0              | 0       | 139 |            |              |
|              |             | B   |                    | 14.94Y    | 124.5        | 0.00            | 1.48                     | 50.42        | 0        | 746        | 103  | 99      |            |           |       |       | 0                 | 0              | 0       | 159 |            |              |
|              |             | C   |                    | 15.01Y    | 125.0        | 0.00            | 0.95                     | 14.19        | 0        | 212        | 22   | 99      |            |           |       |       | 0                 | 0              | 0       | 48  |            |              |
| PL.11370     | PD.305      | A   | 1/0ACSR            | 14.92Y    | 124.3        | 0.06            | 1.69                     | 46.64        | 14       | 691        | 82   | 99      | 0.50       | 0.0       | 3.302 | 0.112 | 0                 | 0              | 0       | 139 |            |              |
|              |             | B   |                    | 14.94Y    | 124.5        | 0.04            | 1.52                     | 50.42        | 15       | 746        | 103  | 99      |            |           |       |       | 0                 | 0              | 0       | 159 |            |              |
|              |             | C   |                    | 15.01Y    | 125.0        | 0.00            | 0.96                     | 14.19        | 4        | 212        | 22   | 99      |            |           |       |       | 0                 | 0              | 0       | 48  |            |              |
| PL.11373     | PL.11370    | A   | 1/0ACSR            | 14.91Y    | 124.3        | 0.03            | 1.72                     | 46.64        | 14       | 691        | 82   | 99      | 0.23       | 0.0       | 3.354 | 0.052 | 0                 | 0              | 0       | 139 |            |              |
|              |             | B   |                    | 14.94Y    | 124.5        | 0.02            | 1.54                     | 50.42        | 15       | 746        | 103  | 99      |            |           |       |       | 0                 | 0              | 0       | 159 |            |              |
|              |             | C   |                    | 15.01Y    | 125.0        | 0.00            | 0.96                     | 13.98        | 4        | 209        | 21   | 99      |            |           |       |       | 0                 | 0              | 0       | 46  |            |              |
| PL.11371     | PL.11373    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.364 | 0.010 | 0                 | 0              | 0       | 0   |            |              |
| PD.1301      | PL.11371    | C   | fuse6AMP           | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.364 | 0.000 | 0                 | 0              | 0       | 0   |            |              |
| PL.11372     | PD.1301     | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.540 | 0.176 | 0                 | 0              | 0       | 0   |            |              |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.11374, PL.11377, etc.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |         |            | mi<br>From<br>Src | mi<br>Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|---------|------------|-------------------|----------------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | %<br>PF | kW<br>Loss |                   |                      | %<br>Loss         | KW |            |              | KVAR |
| PL.11384     | PL.11383    | A   | 1/0ACSR            | 14.87Y    | 123.9        | 0.02            | 2.11                     | 42.36        | 13       | 625        | 74        | 99      | 0.17       | 0.0               | 4.112                | 0.042             | 0  | 0          | 0            | 130  |
|              |             | B   |                    | 14.90Y    | 124.2        | 0.01            | 1.79                     | 49.58        | 15       | 732        | 99        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 156  |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.00            | 0.96                     | 13.59        | 4        | 203        | 21        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 44   |
| 428713       | PL.11384    | B   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.79                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 4.112                | 0.000             | 0  | 0          | 0            | 0    |
| PL.6651      | PL.11384    | A   | 1/0ACSR            | 14.86Y    | 123.8        | 0.06            | 2.17                     | 42.36        | 13       | 625        | 74        | 99      | 0.49       | 0.0               | 4.232                | 0.120             | 0  | 0          | 0            | 130  |
|              |             | B   |                    | 14.90Y    | 124.2        | 0.04            | 1.84                     | 49.58        | 15       | 732        | 99        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 156  |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.00            | 0.96                     | 13.59        | 4        | 203        | 21        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 44   |
| PL.6652      | PL.6651     | A   | 1/0ACSR            | 14.86Y    | 123.8        | 0.02            | 2.19                     | 42.08        | 13       | 621        | 74        | 99      | 0.18       | 0.0               | 4.276                | 0.044             | 0  | 0          | 0            | 128  |
|              |             | B   |                    | 14.90Y    | 124.1        | 0.02            | 1.85                     | 49.37        | 15       | 729        | 98        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 155  |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.00            | 0.96                     | 13.59        | 4        | 203        | 21        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 44   |
| PL.6659      | PL.6652     | A   | 1/0ACSR            | 14.85Y    | 123.8        | 0.02            | 2.22                     | 42.08        | 13       | 621        | 74        | 99      | 0.18       | 0.0               | 4.321                | 0.045             | 0  | 0          | 0            | 128  |
|              |             | B   |                    | 14.90Y    | 124.1        | 0.02            | 1.87                     | 49.37        | 15       | 729        | 98        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 155  |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.00            | 0.96                     | 13.59        | 4        | 203        | 21        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 44   |
| 428807       | PL.6659     | B   | Consumer           | 14.90Y    | 124.1        | 0.00            | 1.87                     | 0.66         | 0        | 10         | 1         | 100     | 0.00       | 0.0               | 4.321                | 0.000             | 10 | 1          | 1            | 1    |
| PL.11387     | PL.6659     | A   | 1/0ACSR            | 14.85Y    | 123.7        | 0.06            | 2.28                     | 42.08        | 13       | 621        | 74        | 99      | 0.53       | 0.0               | 4.455                | 0.134             | 0  | 0          | 0            | 128  |
|              |             | B   |                    | 14.89Y    | 124.1        | 0.05            | 1.91                     | 48.72        | 15       | 719        | 97        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 154  |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.00            | 0.97                     | 13.59        | 4        | 203        | 21        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 44   |
| PL.11604     | PL.11387    | A   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.28                     | 0.31         | 0        | 5          | 0         | 100     | 0.00       | 0.0               | 4.467                | 0.012             | 0  | 0          | 0            | 1    |
| PD.1315      | PL.11604    | A   | fuse6AMP           | 14.85Y    | 123.7        | 0.00            | 2.28                     | 0.31         | 5        | 5          | 0         | 100     | 0.00       | 0.0               | 4.467                | 0.000             | 0  | 0          | 0            | 1    |
| PL.11603     | PD.1315     | A   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.28                     | 0.31         | 0        | 5          | 0         | 100     | 0.00       | 0.0               | 4.548                | 0.081             | 0  | 0          | 0            | 1    |
| PL.2330      | PL.11603    | A   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.28                     | 0.31         | 0        | 5          | 0         | 100     | 0.00       | 0.0               | 4.578                | 0.030             | 0  | 0          | 0            | 1    |
| 428735       | PL.2330     | A   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.28                     | 0.31         | 0        | 5          | 0         | 100     | 0.00       | 0.0               | 4.578                | 0.000             | 5  | 0          | 1            | 1    |
| PL.11388     | PL.11387    | A   | 1/0ACSR            | 14.84Y    | 123.7        | 0.03            | 2.31                     | 41.77        | 13       | 616        | 73        | 99      | 0.24       | 0.0               | 4.517                | 0.061             | 0  | 0          | 0            | 127  |
|              |             | B   |                    | 14.89Y    | 124.1        | 0.02            | 1.93                     | 48.72        | 15       | 719        | 97        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 154  |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.00            | 0.97                     | 13.59        | 4        | 203        | 21        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 44   |
| PL.12442     | PL.11388    | A   | 1/0ACSR            | 14.84Y    | 123.6        | 0.06            | 2.37                     | 41.54        | 13       | 612        | 72        | 99      | 0.52       | 0.0               | 4.651                | 0.134             | 0  | 0          | 0            | 126  |
|              |             | B   |                    | 14.88Y    | 124.0        | 0.05            | 1.98                     | 48.72        | 15       | 719        | 97        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 154  |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.00            | 0.97                     | 13.59        | 4        | 203        | 21        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 44   |
| PL.12443     | PL.12442    | A   | 1/0ACSR            | 14.83Y    | 123.6        | 0.02            | 2.40                     | 41.54        | 13       | 612        | 72        | 99      | 0.20       | 0.0               | 4.701                | 0.050             | 0  | 0          | 0            | 126  |
|              |             | B   |                    | 14.88Y    | 124.0        | 0.02            | 2.00                     | 48.72        | 15       | 719        | 96        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 154  |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.00            | 0.97                     | 13.59        | 4        | 203        | 21        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 44   |
| PL.20821     | PL.12443    | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.40                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 4.714                | 0.013             | 0  | 0          | 0            | 0    |
| PD.1313      | PL.20821    | A   | fuse6AMP           | 14.83Y    | 123.6        | 0.00            | 2.40                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 4.714                | 0.000             | 0  | 0          | 0            | 0    |
| PL.20822     | PD.1313     | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.40                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 4.873                | 0.159             | 0  | 0          | 0            | 0    |
| PL.11389     | PL.12443    | A   | 1/0ACSR            | 14.83Y    | 123.6        | 0.02            | 2.42                     | 41.54        | 13       | 612        | 72        | 99      | 0.15       | 0.0               | 4.738                | 0.038             | 0  | 0          | 0            | 126  |
|              |             | B   |                    | 14.88Y    | 124.0        | 0.01            | 2.01                     | 48.72        | 15       | 719        | 96        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 154  |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.00            | 0.97                     | 13.59        | 4        | 203        | 21        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 44   |
| PL.6661      | PL.11389    | A   | 1/0ACSR            | 14.83Y    | 123.6        | 0.02            | 2.44                     | 41.54        | 13       | 612        | 72        | 99      | 0.18       | 0.0               | 4.784                | 0.046             | 0  | 0          | 0            | 126  |
|              |             | B   |                    | 14.88Y    | 124.0        | 0.02            | 2.03                     | 48.48        | 15       | 715        | 96        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 153  |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.00            | 0.97                     | 13.59        | 4        | 203        | 21        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 44   |
| 427828       | PL.6661     | A   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.44                     | 0.20         | 0        | 3          | 0         | 100     | 0.00       | 0.0               | 4.784                | 0.000             | 3  | 0          | 1            | 1    |
| PL.12440     | PL.6661     | A   | 1/0ACSR            | 14.83Y    | 123.6        | 0.00            | 2.44                     | 0.00         | 0        | 0          | 0         | 100     | 0.04       | 0.0               | 4.801                | 0.017             | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 14.88Y    | 124.0        | 0.01            | 2.04                     | 48.48        | 15       | 715        | 95        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 153  |
|              |             | C   |                    | 15.00Y    | 125.0        | -0.00           | 0.97                     | 13.59        | 4        | 203        | 21        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 44   |
| PD.313-A     | PL.12440    | A   | Closed             | 14.83Y    | 123.6        | 0.00            | 2.44                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 4.801                | 0.000             | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 14.88Y    | 124.0        | 0.00            | 2.04                     | 48.48        | 0        | 715        | 95        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 153  |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.00            | 0.97                     | 13.59        | 0        | 203        | 21        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 44   |
| PD.313-B     | PD.313-A    | A   | Closed             | 14.83Y    | 123.6        | 0.00            | 2.44                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 4.801                | 0.000             | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 14.88Y    | 124.0        | 0.00            | 2.04                     | 48.48        | 0        | 715        | 95        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 153  |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.00            | 0.97                     | 13.59        | 0        | 203        | 21        | 99      |            |                   |                      |                   | 0  | 0          | 0            | 44   |



Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.12441, PL.11609, PL.6656, etc.

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.26026, 427716, PL.26025, etc.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |           |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| 426603       | PL.11618    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.68   | 0.22         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 7.099                               | 0.000 | 3    | 0          | 1            | 1   |
| PL.23908     | PL.11618    | C   | 4ACSR              | 15.04Y    | 125.3        | 0.00            | 0.68   | 0.41         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 7.152                               | 0.053 | 0    | 0          | 0            | 4   |
| PL.1847      | PL.23908    | C   | 4ACSR              | 15.04Y    | 125.3        | 0.00            | 0.68   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.203                               | 0.052 | 0    | 0          | 0            | 1   |
| 426618       | PL.1847     | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.68   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.203                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.23907     | PL.23908    | C   | 4ACSR              | 15.04Y    | 125.3        | 0.00            | 0.68   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.280                               | 0.128 | 0    | 0          | 0            | 1   |
| 426608       | PL.23907    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.68   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.280                               | 0.000 | 0    | 0          | 1            | 1   |
| 426602       | PL.23908    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.68   | 0.23         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 7.152                               | 0.000 | 3    | 0          | 1            | 1   |
| PL.23909     | PL.23908    | C   | 4ACSR              | 15.04Y    | 125.3        | 0.00            | 0.68   | 0.19         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 7.299                               | 0.147 | 0    | 0          | 0            | 1   |
| 426601       | PL.23909    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.68   | 0.19         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 7.299                               | 0.000 | 3    | 0          | 1            | 1   |
| PL.26088     | PL.24545    | A   | 1/0ACSR            | 14.81Y    | 123.4        | 0.00            | 2.58   | 0.00         | 0        | 0          | 0         | 100        | 0.04      | 0.0               | 7.000                               | 0.017 | 0    | 0          | 0            | 0   |
|              |             | B   |                    | 14.74Y    | 122.8        | 0.01            | 3.20   | 48.48        | 15       | 709        | 89        | 99         |           |                   | 0                                   | 0     | 0    | 0          | 153          |     |
|              |             | C   |                    | 15.04Y    | 125.3        | -0.00           | 0.67   | 4.93         | 1        | 74         | 7         | 100        |           |                   | 0                                   | 0     | 0    | 0          | 16           |     |
| PD.298-A     | PL.26088    | A   | Closed             | 14.81Y    | 123.4        | 0.00            | 2.58   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.000                               | 0.000 | 0    | 0          | 0            | 0   |
|              |             | B   |                    | 14.74Y    | 122.8        | 0.00            | 3.20   | 48.48        | 0        | 709        | 89        | 99         |           |                   | 0                                   | 0     | 0    | 0          | 153          |     |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.00            | 0.67   | 4.93         | 0        | 74         | 7         | 100        |           |                   | 0                                   | 0     | 0    | 0          | 16           |     |
| PD.298-B     | PD.298-A    | A   | Closed             | 14.81Y    | 123.4        | 0.00            | 2.58   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.000                               | 0.000 | 0    | 0          | 0            | 0   |
|              |             | B   |                    | 14.74Y    | 122.8        | 0.00            | 3.20   | 48.48        | 0        | 709        | 89        | 99         |           |                   | 0                                   | 0     | 0    | 0          | 153          |     |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.00            | 0.67   | 4.93         | 0        | 74         | 7         | 100        |           |                   | 0                                   | 0     | 0    | 0          | 16           |     |
| PL.11616     | PD.298-B    | A   | 1/0ACSR            | 14.81Y    | 123.4        | 0.02            | 2.60   | 0.00         | 0        | 0          | 0         | 100        | 0.62      | 0.1               | 7.247                               | 0.246 | 0    | 0          | 0            | 0   |
|              |             | B   |                    | 14.72Y    | 122.7        | 0.13            | 3.33   | 48.48        | 15       | 709        | 89        | 99         |           |                   | 0                                   | 0     | 0    | 0          | 153          |     |
|              |             | C   |                    | 15.04Y    | 125.4        | -0.04           | 0.63   | 4.93         | 1        | 74         | 7         | 100        |           |                   | 0                                   | 0     | 0    | 0          | 16           |     |
| PL.25603     | PL.11616    | A   | 1/0ACSR            | 14.81Y    | 123.4        | 0.01            | 2.61   | 0.00         | 0        | 0          | 0         | 100        | 0.25      | 0.0               | 7.344                               | 0.097 | 0    | 0          | 0            | 0   |
|              |             | B   |                    | 14.71Y    | 122.6        | 0.05            | 3.38   | 48.48        | 15       | 708        | 88        | 99         |           |                   | 0                                   | 0     | 0    | 0          | 153          |     |
|              |             | C   |                    | 15.05Y    | 125.4        | -0.02           | 0.61   | 4.24         | 1        | 63         | 6         | 100        |           |                   | 0                                   | 0     | 0    | 0          | 14           |     |
| 426605       | PL.25603    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61   | 0.39         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 7.344                               | 0.000 | 6    | 1          | 1            | 1   |
| PL.24796     | PL.25603    | A   | 1/0ACSR            | 14.80Y    | 123.4        | 0.01            | 2.63   | 0.00         | 0        | 0          | 0         | 100        | 0.39      | 0.1               | 7.500                               | 0.156 | 0    | 0          | 0            | 0   |
|              |             | B   |                    | 14.71Y    | 122.5        | 0.08            | 3.46   | 48.48        | 15       | 708        | 88        | 99         |           |                   | 0                                   | 0     | 0    | 0          | 153          |     |
|              |             | C   |                    | 15.05Y    | 125.4        | -0.03           | 0.58   | 3.85         | 1        | 58         | 5         | 100        |           |                   | 0                                   | 0     | 0    | 0          | 13           |     |
| PL.11621     | PL.24796    | B   | 4ACSR              | 14.70Y    | 122.5        | 0.01            | 3.46   | 48.48        | 25       | 708        | 87        | 99         | 0.03      | 0.0               | 7.506                               | 0.006 | 0    | 0          | 0            | 153 |
| PD.3111      | PL.11621    | B   | 70V4E              | 14.70Y    | 122.5        | 0.00            | 3.46   | 48.48        | 0        | 707        | 87        | 99         | 0.00      | 0.0               | 7.506                               | 0.000 | 0    | 0          | 0            | 153 |
| PL.11622     | PD.3111     | B   | 4ACSR              | 14.70Y    | 122.5        | 0.04            | 3.50   | 48.48        | 25       | 707        | 87        | 99         | 0.20      | 0.0               | 7.542                               | 0.036 | 0    | 0          | 0            | 153 |
| PL.41478     | PL.11622    | B   | 4ACSR              | 14.69Y    | 122.4        | 0.11            | 3.61   | 47.84        | 25       | 698        | 86        | 99         | 0.59      | 0.1               | 7.649                               | 0.107 | 0    | 0          | 0            | 152 |
| PL.41479     | PL.41478    | B   | 4ACSR              | 14.58Y    | 121.5        | 0.89            | 4.49   | 47.83        | 25       | 697        | 86        | 99         | 4.77      | 0.7               | 8.521                               | 0.872 | 0    | 0          | 0            | 151 |
| PL.11624     | PL.41479    | B   | 4ACSR              | 14.58Y    | 121.5        | 0.00            | 4.49   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.534                               | 0.013 | 0    | 0          | 0            | 1   |
| PD.3682      | PL.11624    | B   | fuse6AMP           | 14.58Y    | 121.5        | 0.00            | 4.49   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.534                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.11625     | PD.3682     | B   | 4ACSR              | 14.58Y    | 121.5        | 0.00            | 4.49   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.605                               | 0.071 | 0    | 0          | 0            | 1   |
| 425614       | PL.11625    | B   | Consumer           | 14.58Y    | 121.5        | 0.00            | 4.49   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.605                               | 0.000 | 0    | 0          | 0            | 0   |
| 425612       | PL.11625    | B   | Consumer           | 14.58Y    | 121.5        | 0.00            | 4.49   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.605                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.11626     | PL.41479    | B   | 4ACSR              | 14.58Y    | 121.5        | 0.00            | 4.49   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.535                               | 0.014 | 0    | 0          | 0            | 0   |
| PD.3683      | PL.11626    | B   | fuse6AMP           | 14.58Y    | 121.5        | 0.00            | 4.49   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.535                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.11627     | PD.3683     | B   | 4ACSR              | 14.58Y    | 121.5        | 0.00            | 4.49   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.604                               | 0.069 | 0    | 0          | 0            | 0   |
| PL.11629     | PL.41479    | B   | 4ACSR              | 14.57Y    | 121.4        | 0.09            | 4.59   | 47.83        | 25       | 692        | 83        | 99         | 0.50      | 0.1               | 8.613                               | 0.092 | 0    | 0          | 0            | 150 |
| PL.11630     | PL.11629    | B   | 4ACSR              | 14.56Y    | 121.3        | 0.08            | 4.67   | 47.39        | 24       | 686        | 82        | 99         | 0.44      | 0.1               | 8.695                               | 0.081 | 0    | 0          | 0            | 149 |
| PL.1850      | PL.11630    | B   | 4ACSR              | 14.56Y    | 121.3        | 0.00            | 4.67   | 0.69         | 0        | 10         | 1         | 100        | 0.00      | 0.0               | 8.726                               | 0.032 | 0    | 0          | 0            | 2   |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 425629       | PL.1850     | B   | Consumer           | 14.56Y    | 121.3        | 0.00            | 4.67   | 0.66         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 8.726                               | 0.000 | 9    | 1          | 1            | 1         |
| 4256030      | PL.1850     | B   | Consumer           | 14.56Y    | 121.3        | 0.00            | 4.67   | 0.03         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 8.726                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.11631     | PL.11630    | B   | 4ACSR              | 14.56Y    | 121.3        | 0.00            | 4.67   | 0.27         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 8.702                               | 0.007 | 0    | 0          | 0            | 2         |
| PD.3684      | PL.11631    | B   | fuse6AMP           | 14.56Y    | 121.3        | 0.00            | 4.67   | 0.27         | 5        | 4          | 0    | 100     | 0.00       | 0.0               | 8.702                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.19011     | PD.3684     | B   | 4ACSR              | 14.56Y    | 121.3        | 0.00            | 4.67   | 0.27         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 8.774                               | 0.072 | 0    | 0          | 0            | 2         |
| 425618       | PL.19011    | B   | Consumer           | 14.56Y    | 121.3        | 0.00            | 4.67   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.774                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.19012     | PL.19011    | B   | 4ACSR              | 14.56Y    | 121.3        | 0.00            | 4.67   | 0.27         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 8.855                               | 0.081 | 0    | 0          | 0            | 1         |
| 425617       | PL.19012    | B   | Consumer           | 14.56Y    | 121.3        | 0.00            | 4.67   | 0.27         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 8.855                               | 0.000 | 4    | 0          | 1            | 1         |
| PL.11632     | PL.11630    | B   | 4ACSR              | 14.55Y    | 121.3        | 0.06            | 4.73   | 46.42        | 24       | 671        | 80   | 99      | 0.30       | 0.0               | 8.753                               | 0.058 | 0    | 0          | 0            | 145       |
| PD.299-A     | PL.11632    | B   | Closed             | 14.55Y    | 121.3        | 0.00            | 4.73   | 46.42        | 0        | 671        | 80   | 99      | 0.00       | 0.0               | 8.753                               | 0.000 | 0    | 0          | 0            | 145       |
| PD.299-B     | PD.299-A    | B   | Closed             | 14.55Y    | 121.3        | 0.00            | 4.73   | 46.42        | 0        | 671        | 80   | 99      | 0.00       | 0.0               | 8.753                               | 0.000 | 0    | 0          | 0            | 145       |
| PL.11633     | PD.299-B    | B   | 4ACSR              | 14.55Y    | 121.3        | 0.01            | 4.74   | 46.42        | 24       | 671        | 80   | 99      | 0.06       | 0.0               | 8.764                               | 0.012 | 0    | 0          | 0            | 145       |
| PL.12446     | PL.11633    | B   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.74   | 1.49         | 1        | 22         | 2    | 100     | 0.00       | 0.0               | 8.776                               | 0.012 | 0    | 0          | 0            | 6         |
| PD.3685      | PL.12446    | B   | fuse6AMP           | 14.55Y    | 121.3        | 0.00            | 4.74   | 1.49         | 26       | 22         | 2    | 100     | 0.00       | 0.0               | 8.776                               | 0.000 | 0    | 0          | 0            | 6         |
| PL.25808     | PD.3685     | B   | 4ACSR              | 14.55Y    | 121.3        | 0.01            | 4.74   | 1.49         | 1        | 22         | 2    | 100     | 0.00       | 0.0               | 8.937                               | 0.161 | 0    | 0          | 0            | 6         |
| PL.11635     | PL.25808    | B   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.75   | 1.13         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 9.022                               | 0.085 | 0    | 0          | 0            | 4         |
| 424611       | PL.11635    | B   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.75   | 0.38         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 9.022                               | 0.000 | 6    | 1          | 1            | 1         |
| 424610       | PL.11635    | B   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.75   | 0.05         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 9.022                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.11205     | PL.11635    | B   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.75   | 0.69         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 9.187                               | 0.164 | 0    | 0          | 0            | 2         |
| PL.23890     | PL.11205    | B   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.75   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.265                               | 0.079 | 0    | 0          | 0            | 1         |
| 424606       | PL.23890    | B   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.75   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.265                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.11206     | PL.11205    | B   | 4ACSR              | 14.55Y    | 121.2        | 0.00            | 4.75   | 0.69         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 9.325                               | 0.138 | 0    | 0          | 0            | 1         |
| 424603       | PL.11206    | B   | Consumer           | 14.55Y    | 121.2        | 0.00            | 4.75   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.325                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.6560      | PL.11206    | B   | 4ACSR              | 14.55Y    | 121.2        | 0.00            | 4.75   | 0.69         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 9.585                               | 0.260 | 0    | 0          | 0            | 1         |
| 424609       | PL.6560     | B   | Consumer           | 14.55Y    | 121.2        | 0.00            | 4.75   | 0.69         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 9.585                               | 0.000 | 10   | 1          | 1            | 1         |
| PL.23889     | PL.25808    | B   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.37         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 9.040                               | 0.103 | 0    | 0          | 0            | 2         |
| 424602       | PL.23889    | B   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.12         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 9.040                               | 0.000 | 2    | 0          | 1            | 1         |
| 424605       | PL.23889    | B   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.24         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 9.040                               | 0.000 | 3    | 0          | 1            | 1         |
| PL.11634     | PL.11633    | B   | 4ACSR              | 14.54Y    | 121.1        | 0.12            | 4.85   | 44.93        | 23       | 649        | 78   | 99      | 0.59       | 0.1               | 8.886                               | 0.122 | 0    | 0          | 0            | 139       |
| PL.25809     | PL.11634    | B   | 4ACSR              | 14.54Y    | 121.1        | 0.01            | 4.86   | 44.44        | 23       | 642        | 77   | 99      | 0.04       | 0.0               | 8.895                               | 0.009 | 0    | 0          | 0            | 138       |
| C PD.3110    | PL.25809    | B   | 35L                | 14.54Y    | 121.1        | 0.00            | 4.86   | 44.44        | 127      | 641        | 77   | 99      | 0.00       | 0.0               | 8.895                               | 0.000 | 0    | 0          | 0            | 138 C     |
| PL.25810     | PD.3110     | B   | 4ACSR              | 14.53Y    | 121.1        | 0.06            | 4.92   | 44.44        | 23       | 641        | 77   | 99      | 0.30       | 0.0               | 8.960                               | 0.064 | 0    | 0          | 0            | 138       |
| 425605       | PL.25810    | B   | Consumer           | 14.53Y    | 121.1        | 0.00            | 4.92   | 0.27         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 8.960                               | 0.000 | 4    | 0          | 1            | 1         |
| PL.24544     | PL.25810    | B   | 4ACSR              | 14.52Y    | 121.0        | 0.08            | 5.01   | 44.17        | 23       | 637        | 76   | 99      | 0.41       | 0.1               | 9.047                               | 0.087 | 0    | 0          | 0            | 137       |
| PL.11192     | PL.24544    | B   | 4ACSR              | 14.50Y    | 120.8        | 0.20            | 5.20   | 43.79        | 23       | 631        | 75   | 99      | 0.97       | 0.2               | 9.259                               | 0.212 | 0    | 0          | 0            | 135       |
| PL.11195     | PL.11192    | B   | 4ACSR              | 14.50Y    | 120.8        | 0.00            | 5.20   | 2.33         | 1        | 34         | 3    | 100     | 0.00       | 0.0               | 9.273                               | 0.014 | 0    | 0          | 0            | 4         |
| PD.1291      | PL.11195    | B   | fuse6AMP           | 14.50Y    | 120.8        | 0.00            | 5.20   | 2.33         | 40       | 34         | 3    | 100     | 0.00       | 0.0               | 9.273                               | 0.000 | 0    | 0          | 0            | 4         |
| PL.11196     | PD.1291     | B   | 4ACSR              | 14.50Y    | 120.8        | 0.00            | 5.20   | 2.33         | 1        | 34         | 3    | 100     | 0.00       | 0.0               | 9.303                               | 0.030 | 0    | 0          | 0            | 4         |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.23904     | PL.11196    | B   | 4ACSR              | 14.50Y    | 120.8        | 0.00            | 5.20                     | 0.65         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 9.367                               | 0.064 | 0    | 0          | 0            | 1         |
| 425621       | PL.23904    | B   | Consumer           | 14.50Y    | 120.8        | 0.00            | 5.20                     | 0.65         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 9.367                               | 0.000 | 9    | 1          | 1            | 1         |
| PL.11194     | PL.11196    | B   | 4ACSR              | 14.50Y    | 120.8        | 0.00            | 5.21                     | 1.67         | 1        | 24         | 3    | 99      | 0.00       | 0.0               | 9.344                               | 0.041 | 0    | 0          | 0            | 3         |
| PL.24800     | PL.11194    | B   | 4ACSR              | 14.50Y    | 120.8        | 0.00            | 5.21                     | 1.67         | 1        | 24         | 3    | 99      | 0.00       | 0.0               | 9.384                               | 0.040 | 0    | 0          | 0            | 3         |
| 425615       | PL.24800    | B   | Consumer           | 14.50Y    | 120.8        | 0.00            | 5.21                     | 0.35         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 9.384                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.24543     | PL.24800    | B   | 4ACSR              | 14.50Y    | 120.8        | 0.00            | 5.21                     | 1.33         | 1        | 19         | 2    | 99      | 0.00       | 0.0               | 9.415                               | 0.031 | 0    | 0          | 0            | 2         |
| PL.23903     | PL.24543    | B   | 4ACSR              | 14.49Y    | 120.8        | 0.00            | 5.21                     | 1.33         | 1        | 19         | 2    | 99      | 0.00       | 0.0               | 9.515                               | 0.100 | 0    | 0          | 0            | 2         |
| 425610       | PL.23903    | B   | Consumer           | 14.49Y    | 120.8        | 0.00            | 5.21                     | 1.20         | 0        | 17         | 2    | 99      | 0.00       | 0.0               | 9.515                               | 0.000 | 17   | 2          | 1            | 1         |
| 425625       | PL.23903    | B   | Consumer           | 14.49Y    | 120.8        | 0.00            | 5.21                     | 0.12         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 9.515                               | 0.000 | 2    | 0          | 1            | 1         |
| 425602       | PL.24543    | B   | Consumer           | 14.50Y    | 120.8        | 0.00            | 5.21                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.415                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.11197     | PL.11192    | B   | 4ACSR              | 14.50Y    | 120.8        | 0.00            | 5.20                     | 1.73         | 1        | 25         | 3    | 99      | 0.00       | 0.0               | 9.278                               | 0.019 | 0    | 0          | 0            | 4         |
| PD.1292      | PL.11197    | B   | fuse6AMP           | 14.50Y    | 120.8        | 0.00            | 5.20                     | 1.73         | 29       | 25         | 3    | 99      | 0.00       | 0.0               | 9.278                               | 0.000 | 0    | 0          | 0            | 4         |
| PL.11198     | PD.1292     | B   | 4ACSR              | 14.49Y    | 120.8        | 0.01            | 5.21                     | 1.73         | 1        | 25         | 3    | 99      | 0.00       | 0.0               | 9.510                               | 0.232 | 0    | 0          | 0            | 4         |
| PL.1843      | PL.11198    | B   | 4ACSR              | 14.49Y    | 120.8        | 0.01            | 5.22                     | 1.73         | 1        | 25         | 3    | 99      | 0.00       | 0.0               | 9.701                               | 0.191 | 0    | 0          | 0            | 3         |
| PL.1844      | PL.1843     | B   | 4ACSR              | 14.49Y    | 120.8        | 0.00            | 5.22                     | 1.49         | 1        | 21         | 2    | 100     | 0.00       | 0.0               | 9.742                               | 0.041 | 0    | 0          | 0            | 1         |
| 425624       | PL.1844     | B   | Consumer           | 14.49Y    | 120.8        | 0.00            | 5.22                     | 1.49         | 0        | 21         | 2    | 100     | 0.00       | 0.0               | 9.742                               | 0.000 | 21   | 2          | 1            | 1         |
| 425623       | PL.1843     | B   | Consumer           | 14.49Y    | 120.8        | 0.00            | 5.22                     | 0.21         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 9.701                               | 0.000 | 3    | 0          | 1            | 1         |
| 425622       | PL.1843     | B   | Consumer           | 14.49Y    | 120.8        | 0.00            | 5.22                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.701                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.1848      | PL.1843     | B   | 4ACSR              | 14.49Y    | 120.8        | 0.00            | 5.22                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.746                               | 0.045 | 0    | 0          | 0            | 1         |
| 425628       | PL.1848     | B   | Consumer           | 14.49Y    | 120.8        | 0.00            | 5.22                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.746                               | 0.000 | 0    | 0          | 1            | 1         |
| 425627       | PL.11198    | B   | Consumer           | 14.49Y    | 120.8        | 0.00            | 5.21                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.510                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.11193     | PL.11192    | B   | 4ACSR              | 14.46Y    | 120.5        | 0.32            | 5.52                     | 39.74        | 20       | 572        | 69   | 99      | 1.44       | 0.3               | 9.639                               | 0.381 | 0    | 0          | 0            | 127       |
| 425626       | PL.11193    | B   | Consumer           | 14.46Y    | 120.5        | 0.00            | 5.52                     | 0.26         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 9.639                               | 0.000 | 4    | 0          | 1            | 1         |
| PL.24799     | PL.11193    | B   | 4ACSR              | 14.45Y    | 120.5        | 0.03            | 5.55                     | 39.48        | 20       | 567        | 67   | 99      | 0.11       | 0.0               | 9.669                               | 0.030 | 0    | 0          | 0            | 126       |
| PL.6670      | PL.24799    | B   | 4ACSR              | 14.45Y    | 120.4        | 0.01            | 5.56                     | 39.48        | 20       | 567        | 67   | 99      | 0.04       | 0.0               | 9.680                               | 0.011 | 0    | 0          | 0            | 126       |
| PL.11636     | PL.6670     | B   | 4ACSR              | 14.45Y    | 120.4        | 0.01            | 5.57                     | 39.03        | 20       | 560        | 67   | 99      | 0.04       | 0.0               | 9.692                               | 0.012 | 0    | 0          | 0            | 125       |
| PL.11641     | PL.11636    | B   | 4ACSR              | 14.45Y    | 120.4        | 0.00            | 5.57                     | 1.16         | 1        | 17         | 2    | 99      | 0.00       | 0.0               | 9.698                               | 0.006 | 0    | 0          | 0            | 2         |
| PD.1338      | PL.11641    | B   | fuse6AMP           | 14.45Y    | 120.4        | 0.00            | 5.57                     | 1.16         | 20       | 17         | 2    | 99      | 0.00       | 0.0               | 9.698                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.11642     | PD.1338     | B   | 4ACSR              | 14.45Y    | 120.4        | 0.00            | 5.57                     | 1.16         | 1        | 17         | 2    | 99      | 0.00       | 0.0               | 9.785                               | 0.086 | 0    | 0          | 0            | 2         |
| 425515       | PL.11642    | B   | Consumer           | 14.45Y    | 120.4        | 0.00            | 5.57                     | 0.28         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 9.785                               | 0.000 | 4    | 0          | 1            | 1         |
| PL.2376      | PL.11642    | B   | 4ACSR              | 14.45Y    | 120.4        | 0.00            | 5.57                     | 0.88         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 9.863                               | 0.078 | 0    | 0          | 0            | 1         |
| 425529       | PL.2376     | B   | Consumer           | 14.45Y    | 120.4        | 0.00            | 5.57                     | 0.88         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 9.863                               | 0.000 | 13   | 1          | 1            | 1         |
| PL.11637     | PL.11636    | B   | 4ACSR              | 14.44Y    | 120.3        | 0.09            | 5.66                     | 37.87        | 20       | 543        | 65   | 99      | 0.38       | 0.1               | 9.803                               | 0.111 | 0    | 0          | 0            | 123       |
| PL.11643     | PL.11637    | B   | 4ACSR              | 14.44Y    | 120.3        | 0.01            | 5.66                     | 37.34        | 19       | 535        | 64   | 99      | 0.03       | 0.0               | 9.812                               | 0.009 | 0    | 0          | 0            | 120       |
| PD.316-A     | PL.11643    | B   | Closed             | 14.44Y    | 120.3        | 0.00            | 5.66                     | 37.34        | 0        | 535        | 64   | 99      | 0.00       | 0.0               | 9.812                               | 0.000 | 0    | 0          | 0            | 120       |
| PD.316-B     | PD.316-A    | B   | Closed             | 14.44Y    | 120.3        | 0.00            | 5.66                     | 37.34        | 0        | 535        | 64   | 99      | 0.00       | 0.0               | 9.812                               | 0.000 | 0    | 0          | 0            | 120       |
| PL.11644     | PD.316-B    | B   | 4ACSR              | 14.42Y    | 120.2        | 0.18            | 5.84                     | 37.34        | 19       | 535        | 64   | 99      | 0.76       | 0.1               | 10.042                              | 0.229 | 0    | 0          | 0            | 120       |
| PL.11645     | PL.11644    | B   | 4ACSR              | 14.40Y    | 120.0        | 0.12            | 5.97                     | 35.55        | 18       | 509        | 61   | 99      | 0.48       | 0.1               | 10.202                              | 0.160 | 0    | 0          | 0            | 114       |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.43361     | PL.11645    | B   | 4ACSR              | 14.40Y    | 120.0        | 0.00            | 5.97                     | 0.36         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 10.208                              | 0.006 | 0    | 0          | 0            | 1         |
| PD.3846      | PL.43361    | B   | fuse6AMP           | 14.40Y    | 120.0        | 0.00            | 5.97                     | 0.36         | 6        | 5          | 1    | 98      | 0.00       | 0.0               | 10.208                              | 0.000 | 0    | 0          | 0            | 1         |
| PL.43362     | PD.3846     | B   | 4ACSR              | 14.40Y    | 120.0        | 0.00            | 5.97                     | 0.36         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 10.305                              | 0.098 | 0    | 0          | 0            | 1         |
| 425534       | PL.43362    | B   | Consumer           | 14.40Y    | 120.0        | 0.00            | 5.97                     | 0.36         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 10.305                              | 0.000 | 5    | 1          | 1            | 1         |
| PL.11646     | PL.11645    | B   | 4ACSR              | 14.39Y    | 119.9        | 0.10            | 6.07                     | 35.19        | 18       | 503        | 60   | 99      | 0.42       | 0.1               | 10.342                              | 0.140 | 0    | 0          | 0            | 113       |
| PL.17997     | PL.11646    | B   | 4ACSR              | 14.38Y    | 119.9        | 0.07            | 6.14                     | 30.74        | 16       | 439        | 53   | 99      | 0.23       | 0.1               | 10.445                              | 0.103 | 0    | 0          | 0            | 104       |
| PL.17998     | PL.17997    | B   | 4ACSR              | 14.38Y    | 119.8        | 0.03            | 6.17                     | 30.74        | 16       | 439        | 53   | 99      | 0.11       | 0.0               | 10.494                              | 0.049 | 0    | 0          | 0            | 104       |
| PL.19149     | PL.17998    | B   | 4ACSR              | 14.37Y    | 119.8        | 0.05            | 6.22                     | 30.74        | 16       | 439        | 53   | 99      | 0.17       | 0.0               | 10.568                              | 0.074 | 0    | 0          | 0            | 104       |
| 425502       | PL.19149    | B   | Consumer           | 14.37Y    | 119.8        | 0.00            | 6.22                     | 0.50         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 10.568                              | 0.000 | 7    | 1          | 1            | 1         |
| PL.19150     | PL.19149    | B   | 4ACSR              | 14.36Y    | 119.7        | 0.11            | 6.33                     | 30.24        | 16       | 432        | 52   | 99      | 0.37       | 0.1               | 10.739                              | 0.171 | 0    | 0          | 0            | 103       |
| PL.11649     | PL.19150    | B   | 4ACSR              | 14.34Y    | 119.5        | 0.15            | 6.47                     | 24.54        | 13       | 350        | 43   | 99      | 0.40       | 0.1               | 11.019                              | 0.280 | 0    | 0          | 0            | 80        |
| PL.11419     | PL.11649    | B   | 4ACSR              | 14.34Y    | 119.5        | 0.00            | 6.47                     | 0.82         | 0        | 12         | 1    | 100     | 0.00       | 0.0               | 11.028                              | 0.009 | 0    | 0          | 0            | 3         |
| PD.1344      | PL.11419    | B   | fuse6AMP           | 14.34Y    | 119.5        | 0.00            | 6.47                     | 0.82         | 14       | 12         | 1    | 100     | 0.00       | 0.0               | 11.028                              | 0.000 | 0    | 0          | 0            | 3         |
| PL.11420     | PD.1344     | B   | 4ACSR              | 14.34Y    | 119.5        | 0.00            | 6.47                     | 0.82         | 0        | 12         | 1    | 100     | 0.00       | 0.0               | 11.059                              | 0.031 | 0    | 0          | 0            | 3         |
| PL.6675      | PL.11420    | B   | 4ACSR              | 14.34Y    | 119.5        | 0.00            | 6.47                     | 0.75         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 11.141                              | 0.082 | 0    | 0          | 0            | 2         |
| 425419       | PL.6675     | B   | Consumer           | 14.34Y    | 119.5        | 0.00            | 6.47                     | 0.63         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 11.141                              | 0.000 | 9    | 1          | 1            | 1         |
| PL.6676      | PL.6675     | B   | 4ACSR              | 14.34Y    | 119.5        | 0.00            | 6.47                     | 0.12         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 11.237                              | 0.096 | 0    | 0          | 0            | 1         |
| 425418       | PL.6676     | B   | Consumer           | 14.34Y    | 119.5        | 0.00            | 6.47                     | 0.12         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 11.237                              | 0.000 | 2    | 0          | 1            | 1         |
| 425417       | PL.6676     | B   | Consumer           | 14.34Y    | 119.5        | 0.00            | 6.47                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.237                              | 0.000 | 0    | 0          | 0            | 0         |
| 425405       | PL.11420    | B   | Consumer           | 14.34Y    | 119.5        | 0.00            | 6.47                     | 0.07         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 11.059                              | 0.000 | 1    | 0          | 1            | 1         |
| PL.11651     | PL.11649    | B   | 4ACSR              | 14.34Y    | 119.5        | 0.00            | 6.47                     | 1.06         | 1        | 15         | 2    | 99      | 0.00       | 0.0               | 11.030                              | 0.011 | 0    | 0          | 0            | 2         |
| PD.1343      | PL.11651    | B   | fuse6AMP           | 14.34Y    | 119.5        | 0.00            | 6.47                     | 1.06         | 18       | 15         | 2    | 99      | 0.00       | 0.0               | 11.030                              | 0.000 | 0    | 0          | 0            | 2         |
| PL.11652     | PD.1343     | B   | 4ACSR              | 14.34Y    | 119.5        | 0.00            | 6.47                     | 1.06         | 1        | 15         | 2    | 99      | 0.00       | 0.0               | 11.078                              | 0.049 | 0    | 0          | 0            | 2         |
| 425412       | PL.11652    | B   | Consumer           | 14.34Y    | 119.5        | 0.00            | 6.47                     | 0.17         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 11.078                              | 0.000 | 2    | 0          | 1            | 1         |
| PL.2373      | PL.11652    | B   | 4ACSR              | 14.34Y    | 119.5        | 0.00            | 6.48                     | 0.89         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 11.170                              | 0.091 | 0    | 0          | 0            | 1         |
| 425413       | PL.2373     | B   | Consumer           | 14.34Y    | 119.5        | 0.00            | 6.48                     | 0.89         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 11.170                              | 0.000 | 13   | 1          | 1            | 1         |
| PL.11650     | PL.11649    | B   | 4ACSR              | 14.34Y    | 119.5        | 0.06            | 6.53                     | 22.66        | 12       | 323        | 40   | 99      | 0.15       | 0.0               | 11.145                              | 0.126 | 0    | 0          | 0            | 75        |
| PL.11421     | PL.11650    | B   | 4ACSR              | 14.34Y    | 119.5        | 0.00            | 6.53                     | 8.56         | 4        | 122        | 13   | 99      | 0.00       | 0.0               | 11.150                              | 0.006 | 0    | 0          | 0            | 22        |
| PD.3120      | PL.11421    | B   | 25V4E              | 14.34Y    | 119.5        | 0.00            | 6.53                     | 8.56         | 34       | 122        | 13   | 99      | 0.00       | 0.0               | 11.150                              | 0.000 | 0    | 0          | 0            | 22        |
| PL.37907     | PD.3120     | B   | 4ACSR              | 14.33Y    | 119.4        | 0.02            | 6.56                     | 8.56         | 4        | 122        | 13   | 99      | 0.02       | 0.0               | 11.281                              | 0.131 | 0    | 0          | 0            | 22        |
| 4254020      | PL.37907    | B   | Consumer           | 14.33Y    | 119.4        | 0.00            | 6.56                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.281                              | 0.000 | 0    | 0          | 1            | 1         |
| 425403       | PL.37907    | B   | Consumer           | 14.33Y    | 119.4        | 0.00            | 6.56                     | 0.33         | 0        | 5          | 0    | 100     | 0.00       | 0.0               | 11.281                              | 0.000 | 5    | 0          | 1            | 1         |
| PL.37908     | PL.37907    | B   | 4ACSR              | 14.33Y    | 119.4        | 0.01            | 6.57                     | 8.21         | 4        | 117        | 12   | 99      | 0.01       | 0.0               | 11.329                              | 0.048 | 0    | 0          | 0            | 20        |
| PL.11427     | PL.37908    | B   | 4ACSR              | 14.33Y    | 119.4        | 0.02            | 6.59                     | 7.51         | 4        | 107        | 11   | 99      | 0.02       | 0.0               | 11.483                              | 0.154 | 0    | 0          | 0            | 19        |
| PL.27873     | PL.11427    | B   | 4ACSR              | 14.33Y    | 119.4        | 0.02            | 6.61                     | 5.48         | 3        | 78         | 8    | 99      | 0.01       | 0.0               | 11.661                              | 0.178 | 0    | 0          | 0            | 13        |
| 425404       | PL.27873    | B   | Consumer           | 14.33Y    | 119.4        | 0.00            | 6.61                     | 0.51         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 11.661                              | 0.000 | 7    | 1          | 1            | 1         |
| 425414       | PL.27873    | B   | Consumer           | 14.33Y    | 119.4        | 0.00            | 6.61                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.661                              | 0.000 | 0    | 0          | 1            | 1         |
| PL.27874     | PL.27873    | B   | 4ACSR              | 14.32Y    | 119.4        | 0.03            | 6.64                     | 4.97         | 3        | 71         | 7    | 100     | 0.02       | 0.0               | 11.958                              | 0.297 | 0    | 0          | 0            | 11        |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.33728     | PL.27874    | B   | 4ACSR              | 14.32Y    | 119.4        | 0.00            | 6.64                     | 0.65         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 11.963                              | 0.005 | 0    | 0          | 0            | 1  |
| PD.4013      | PL.33728    | B   | fuse6AMP           | 14.32Y    | 119.4        | 0.00            | 6.64                     | 0.65         | 11       | 9          | 1       | 99         | 0.00      | 0.0               | 11.963                              | 0.000 | 0    | 0          | 0            | 1  |
| PL.33729     | PD.4013     | B   | 4ACSR              | 14.32Y    | 119.4        | 0.00            | 6.64                     | 0.65         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 12.034                              | 0.071 | 0    | 0          | 0            | 1  |
| 425408       | PL.33729    | B   | Consumer           | 14.32Y    | 119.4        | 0.00            | 6.64                     | 0.65         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 12.034                              | 0.000 | 9    | 1          | 1            | 1  |
| PL.11185     | PL.27874    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.01            | 6.65                     | 4.32         | 2        | 62         | 6       | 100        | 0.01      | 0.0               | 12.078                              | 0.120 | 0    | 0          | 0            | 10 |
| PL.11186     | PL.11185    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.01            | 6.66                     | 4.03         | 2        | 57         | 6       | 99         | 0.00      | 0.0               | 12.159                              | 0.081 | 0    | 0          | 0            | 8  |
| PL.33726     | PL.11186    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.66                     | 0.66         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 12.165                              | 0.006 | 0    | 0          | 0            | 2  |
| PD.4012      | PL.33726    | B   | fuse6AMP           | 14.32Y    | 119.3        | 0.00            | 6.66                     | 0.66         | 11       | 9          | 1       | 99         | 0.00      | 0.0               | 12.165                              | 0.000 | 0    | 0          | 0            | 2  |
| PL.33727     | PD.4012     | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.66                     | 0.66         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 12.337                              | 0.172 | 0    | 0          | 0            | 2  |
| PL.11189     | PL.33727    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.66                     | 0.28         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 12.452                              | 0.115 | 0    | 0          | 0            | 1  |
| PL.6673      | PL.11189    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.66                     | 0.28         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 12.517                              | 0.066 | 0    | 0          | 0            | 1  |
| 426508       | PL.6673     | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.66                     | 0.28         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 12.517                              | 0.000 | 4    | 0          | 1            | 1  |
| 426509       | PL.11189    | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.66                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 12.452                              | 0.000 | 0    | 0          | 0            | 0  |
| PL.2381      | PL.33727    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.66                     | 0.38         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 12.472                              | 0.135 | 0    | 0          | 0            | 1  |
| 426511       | PL.2381     | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.66                     | 0.38         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 12.472                              | 0.000 | 5    | 1          | 1            | 1  |
| PL.30363     | PL.11186    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.01            | 6.67                     | 3.37         | 2        | 48         | 5       | 99         | 0.00      | 0.0               | 12.309                              | 0.150 | 0    | 0          | 0            | 6  |
| PL.33722     | PL.30363    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.67                     | 0.95         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 12.314                              | 0.005 | 0    | 0          | 0            | 1  |
| PD.4010      | PL.33722    | B   | fuse6AMP           | 14.32Y    | 119.3        | 0.00            | 6.67                     | 0.95         | 16       | 13         | 1       | 100        | 0.00      | 0.0               | 12.314                              | 0.000 | 0    | 0          | 0            | 1  |
| PL.33723     | PD.4010     | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.67                     | 0.95         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 12.416                              | 0.102 | 0    | 0          | 0            | 1  |
| 4265013      | PL.33723    | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.67                     | 0.95         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 12.416                              | 0.000 | 13   | 1          | 1            | 1  |
| PL.30364     | PL.30363    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.01            | 6.68                     | 2.42         | 1        | 35         | 4       | 99         | 0.00      | 0.0               | 12.470                              | 0.161 | 0    | 0          | 0            | 5  |
| PL.45397     | PL.30364    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.68                     | 1.42         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 12.512                              | 0.042 | 0    | 0          | 0            | 4  |
| PL.45398     | PL.45397    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.68                     | 1.42         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 12.657                              | 0.145 | 0    | 0          | 0            | 4  |
| PL.19716     | PL.45398    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.69                     | 0.76         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 12.713                              | 0.056 | 0    | 0          | 0            | 3  |
| PL.2367      | PL.19716    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.69                     | 0.18         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 12.773                              | 0.059 | 0    | 0          | 0            | 1  |
| 426512       | PL.2367     | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.69                     | 0.18         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 12.773                              | 0.000 | 3    | 0          | 1            | 1  |
| 426505       | PL.2367     | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 12.773                              | 0.000 | 0    | 0          | 0            | 0  |
| PL.26343     | PL.19716    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.69                     | 0.58         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 12.769                              | 0.055 | 0    | 0          | 0            | 2  |
| 426510       | PL.26343    | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.69                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 12.769                              | 0.000 | 0    | 0          | 1            | 1  |
| PL.6674      | PL.26343    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.69                     | 0.55         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 12.815                              | 0.046 | 0    | 0          | 0            | 1  |
| 426507       | PL.6674     | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.69                     | 0.55         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 12.815                              | 0.000 | 8    | 1          | 1            | 1  |
| 426506       | PL.45398    | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.68                     | 0.66         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 12.657                              | 0.000 | 9    | 1          | 1            | 1  |
| 4264002      | PL.45397    | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 12.512                              | 0.000 | 0    | 0          | 0            | 0  |
| 426401       | PL.30364    | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.68                     | 1.01         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 12.470                              | 0.000 | 14   | 1          | 1            | 1  |
| PL.33724     | PL.11185    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.65                     | 0.29         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 12.083                              | 0.005 | 0    | 0          | 0            | 2  |
| PD.4011      | PL.33724    | B   | fuse6AMP           | 14.32Y    | 119.3        | 0.00            | 6.65                     | 0.29         | 5        | 4          | 0       | 100        | 0.00      | 0.0               | 12.083                              | 0.000 | 0    | 0          | 0            | 2  |
| PL.33725     | PD.4011     | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.65                     | 0.29         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 12.184                              | 0.101 | 0    | 0          | 0            | 2  |
| 426502       | PL.33725    | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.65                     | 0.28         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 12.184                              | 0.000 | 4    | 0          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 426503       | PL.33725    | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.65                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 12.184                              | 0.000 | 0    | 0          | 1            | 1         |
| PL.11426     | PL.11427    | B   | 4ACSR              | 14.33Y    | 119.4        | 0.00            | 6.59                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.637                              | 0.154 | 0    | 0          | 0            | 0         |
| PL.33730     | PL.11427    | B   | 4ACSR              | 14.33Y    | 119.4        | 0.00            | 6.59                     | 2.04         | 1        | 29         | 3    | 99      | 0.00       | 0.0               | 11.491                              | 0.008 | 0    | 0          | 0            | 6         |
| PD.4014      | PL.33730    | B   | fuse6AMP           | 14.33Y    | 119.4        | 0.00            | 6.59                     | 2.04         | 35       | 29         | 3    | 99      | 0.00       | 0.0               | 11.491                              | 0.000 | 0    | 0          | 0            | 6         |
| PL.33731     | PD.4014     | B   | 4ACSR              | 14.33Y    | 119.4        | 0.01            | 6.60                     | 2.04         | 1        | 29         | 3    | 99      | 0.00       | 0.0               | 11.645                              | 0.155 | 0    | 0          | 0            | 6         |
| PL.11182     | PL.33731    | B   | 4ACSR              | 14.33Y    | 119.4        | 0.00            | 6.60                     | 2.04         | 1        | 29         | 3    | 99      | 0.00       | 0.0               | 11.680                              | 0.034 | 0    | 0          | 0            | 6         |
| PL.19438     | PL.11182    | B   | 4ACSR              | 14.33Y    | 119.4        | 0.00            | 6.60                     | 1.21         | 1        | 17         | 2    | 99      | 0.00       | 0.0               | 11.739                              | 0.059 | 0    | 0          | 0            | 4         |
| 425509       | PL.19438    | B   | Consumer           | 14.33Y    | 119.4        | 0.00            | 6.60                     | 0.14         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 11.739                              | 0.000 | 2    | 0          | 1            | 1         |
| 425526       | PL.19438    | B   | Consumer           | 14.33Y    | 119.4        | 0.00            | 6.60                     | 0.14         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 11.739                              | 0.000 | 2    | 0          | 1            | 1         |
| PL.19623     | PL.19438    | B   | 4ACSR              | 14.33Y    | 119.4        | 0.00            | 6.60                     | 0.93         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 11.865                              | 0.126 | 0    | 0          | 0            | 2         |
| PL.19624     | PL.19623    | B   | 4ACSR              | 14.33Y    | 119.4        | 0.00            | 6.60                     | 0.93         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 11.903                              | 0.038 | 0    | 0          | 0            | 2         |
| PL.2379      | PL.19624    | B   | 4ACSR              | 14.33Y    | 119.4        | 0.00            | 6.60                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 12.095                              | 0.191 | 0    | 0          | 0            | 1         |
| 425532       | PL.2379     | B   | Consumer           | 14.33Y    | 119.4        | 0.00            | 6.60                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 12.095                              | 0.000 | 0    | 0          | 1            | 1         |
| PL.11648     | PL.19624    | B   | 4ACSR              | 14.33Y    | 119.4        | 0.00            | 6.61                     | 0.90         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 12.052                              | 0.149 | 0    | 0          | 0            | 1         |
| 425510       | PL.11648    | B   | Consumer           | 14.33Y    | 119.4        | 0.00            | 6.61                     | 0.90         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 12.052                              | 0.000 | 13   | 1          | 1            | 1         |
| 425541       | PL.19623    | B   | Consumer           | 14.33Y    | 119.4        | 0.00            | 6.60                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.865                              | 0.000 | 0    | 0          | 0            | 0         |
| PL.11183     | PL.11182    | B   | 4ACSR              | 14.33Y    | 119.4        | 0.00            | 6.60                     | 0.82         | 0        | 12         | 1    | 100     | 0.00       | 0.0               | 11.771                              | 0.091 | 0    | 0          | 0            | 2         |
| 425407       | PL.11183    | B   | Consumer           | 14.33Y    | 119.4        | 0.00            | 6.60                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.771                              | 0.000 | 0    | 0          | 1            | 1         |
| PL.11184     | PL.11183    | B   | 4ACSR              | 14.33Y    | 119.4        | 0.00            | 6.60                     | 0.82         | 0        | 12         | 1    | 100     | 0.00       | 0.0               | 11.841                              | 0.070 | 0    | 0          | 0            | 1         |
| 425538       | PL.11184    | B   | Consumer           | 14.33Y    | 119.4        | 0.00            | 6.60                     | 0.82         | 0        | 12         | 1    | 100     | 0.00       | 0.0               | 11.841                              | 0.000 | 12   | 1          | 1            | 1         |
| PL.2375      | PL.37908    | B   | 4ACSR              | 14.33Y    | 119.4        | 0.00            | 6.57                     | 0.70         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 11.392                              | 0.063 | 0    | 0          | 0            | 1         |
| 425416       | PL.2375     | B   | Consumer           | 14.33Y    | 119.4        | 0.00            | 6.57                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.392                              | 0.000 | 0    | 0          | 0            | 0         |
| 425415       | PL.2375     | B   | Consumer           | 14.33Y    | 119.4        | 0.00            | 6.57                     | 0.70         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 11.392                              | 0.000 | 10   | 1          | 1            | 1         |
| PL.11422     | PL.11650    | B   | 4ACSR              | 14.34Y    | 119.5        | 0.00            | 6.53                     | 14.11        | 7        | 200        | 27   | 99      | 0.00       | 0.0               | 11.148                              | 0.004 | 0    | 0          | 0            | 53        |
| PD.2640      | PL.11422    | B   | 25V4E              | 14.34Y    | 119.5        | 0.00            | 6.53                     | 14.11        | 56       | 200        | 27   | 99      | 0.00       | 0.0               | 11.148                              | 0.000 | 0    | 0          | 0            | 53        |
| PL.11423     | PD.2640     | B   | 4ACSR              | 14.32Y    | 119.3        | 0.12            | 6.66                     | 14.11        | 7        | 200        | 27   | 99      | 0.20       | 0.1               | 11.560                              | 0.411 | 0    | 0          | 0            | 53        |
| 425406       | PL.11423    | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.66                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.560                              | 0.000 | 0    | 0          | 1            | 1         |
| 425402       | PL.11423    | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.66                     | 0.30         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 11.560                              | 0.000 | 4    | 0          | 1            | 1         |
| PL.11207     | PL.11423    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.02            | 6.68                     | 13.80        | 7        | 196        | 27   | 99      | 0.03       | 0.0               | 11.625                              | 0.065 | 0    | 0          | 0            | 51        |
| PL.26952     | PL.11207    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.68                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.649                              | 0.024 | 0    | 0          | 0            | 1         |
| PD.1345      | PL.26952    | B   | fuse6AMP           | 14.32Y    | 119.3        | 0.00            | 6.68                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.649                              | 0.000 | 0    | 0          | 0            | 1         |
| PL.26953     | PD.1345     | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.68                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.787                              | 0.138 | 0    | 0          | 0            | 1         |
| PL.2371      | PL.26953    | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.68                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.851                              | 0.065 | 0    | 0          | 0            | 0         |
| 425409       | PL.2371     | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.68                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.851                              | 0.000 | 0    | 0          | 0            | 0         |
| PL.2372      | PL.2371     | B   | 4ACSR              | 14.32Y    | 119.3        | 0.00            | 6.68                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.911                              | 0.059 | 0    | 0          | 0            | 0         |
| 425411       | PL.2372     | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.68                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.911                              | 0.000 | 0    | 0          | 0            | 0         |
| 425410       | PL.26953    | B   | Consumer           | 14.32Y    | 119.3        | 0.00            | 6.68                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 11.787                              | 0.000 | 0    | 0          | 1            | 1         |
| PL.11208     | PL.11207    | B   | 4ACSR              | 14.31Y    | 119.3        | 0.04            | 6.72                     | 13.80        | 7        | 196        | 27   | 99      | 0.06       | 0.0               | 11.768                              | 0.143 | 0    | 0          | 0            | 50        |



Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data rows for various elements like PL.6561, PL.26946, PD.1, etc.

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for units displayed in volts and base voltage.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    |      |            |              |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|----|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW | KVAR | Cons<br>On | Cons<br>Thru |
| PL.45412     | PL.45413    | B   | 2ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 15.385         | 0.027             | 0  | 0    | 0          | 0            |
| 4139020      | PL.45412    | B   | Consumer           | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 15.385         | 0.000             | 0  | 0    | 0          | 0            |
| PL.45414     | PL.45413    | B   | 2ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.75         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 15.453         | 0.095             | 0  | 0    | 0          | 1            |
| 4232015      | PL.45414    | B   | Consumer           | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.75         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 15.453         | 0.000             | 11 | 1    | 1          | 1            |
| PL.33692     | PL.45188    | B   | 4ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.27         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 15.320         | 0.021             | 0  | 0    | 0          | 4            |
| PL.11307     | PL.33692    | B   | 4ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.27         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 15.366         | 0.046             | 0  | 0    | 0          | 4            |
| 413905       | PL.11307    | B   | Consumer           | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 15.366         | 0.000             | 0  | 0    | 1          | 1            |
| PL.6085      | PL.11307    | B   | 4ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.24         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 15.395         | 0.028             | 0  | 0    | 0          | 3            |
| PL.27955     | PL.6085     | B   | 4ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.24         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 15.650         | 0.255             | 0  | 0    | 0          | 3            |
| PL.27956     | PL.27955    | B   | 4ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.21         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 15.787         | 0.138             | 0  | 0    | 0          | 2            |
| PL.1046      | PL.27956    | B   | 4ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.21         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 15.876         | 0.089             | 0  | 0    | 0          | 1            |
| 423203       | PL.1046     | B   | Consumer           | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.21         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 15.876         | 0.000             | 3  | 0    | 1          | 1            |
| PL.45540     | PL.27956    | B   | 2ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 15.977         | 0.189             | 0  | 0    | 0          | 0            |
| 4232016      | PL.45540    | B   | Consumer           | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 15.977         | 0.000             | 0  | 0    | 0          | 0            |
| 423202       | PL.27956    | B   | Consumer           | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 15.787         | 0.000             | 0  | 0    | 1          | 1            |
| PL.6565      | PL.27956    | B   | 4ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 15.874         | 0.087             | 0  | 0    | 0          | 0            |
| 423206       | PL.6565     | B   | Consumer           | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 15.874         | 0.000             | 0  | 0    | 0          | 0            |
| 423209       | PL.27955    | B   | Consumer           | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.04         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 15.650         | 0.000             | 1  | 0    | 1          | 1            |
| PL.33690     | PL.11305    | B   | 4ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 15.287         | 0.003             | 0  | 0    | 0          | 2            |
| PD.3995      | PL.33690    | B   | fuse6AMP           | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.03         | 1        | 0          | 0    | 100     | 0.00       | 0.0               | 15.287         | 0.000             | 0  | 0    | 0          | 2            |
| PL.45191     | PD.3995     | B   | 4ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 15.295         | 0.008             | 0  | 0    | 0          | 2            |
| PL.45189     | PL.45191    | B   | 4ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 15.347         | 0.052             | 0  | 0    | 0          | 1            |
| 413904       | PL.45189    | B   | Consumer           | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 15.347         | 0.000             | 0  | 0    | 1          | 1            |
| PL.45190     | PL.45191    | B   | 4ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 15.385         | 0.090             | 0  | 0    | 0          | 1            |
| 413909       | PL.45190    | B   | Consumer           | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 15.385         | 0.000             | 0  | 0    | 1          | 1            |
| PL.33687     | PL.14912    | B   | 4ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.29         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 15.221         | 0.008             | 0  | 0    | 0          | 1            |
| PD.3994      | PL.33687    | B   | fuse6AMP           | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.29         | 5        | 4          | 0    | 100     | 0.00       | 0.0               | 15.221         | 0.000             | 0  | 0    | 0          | 1            |
| PL.33688     | PD.3994     | B   | 4ACSR              | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.29         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 15.278         | 0.057             | 0  | 0    | 0          | 1            |
| 413919       | PL.33688    | B   | Consumer           | 14.23Y    | 118.6        | 0.00            | 7.43                     | 0.29         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 15.278         | 0.000             | 4  | 0    | 1          | 1            |
| PL.23896     | PL.11228    | B   | 4ACSR              | 14.24Y    | 118.7        | 0.00            | 7.35                     | 1.56         | 1        | 22         | 2    | 100     | 0.00       | 0.0               | 14.491         | 0.083             | 0  | 0    | 0          | 4            |
| 424212       | PL.23896    | B   | Consumer           | 14.24Y    | 118.7        | 0.00            | 7.35                     | 0.50         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 14.491         | 0.000             | 7  | 1    | 1          | 1            |
| 424201       | PL.23896    | B   | Consumer           | 14.24Y    | 118.7        | 0.00            | 7.35                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 14.491         | 0.000             | 0  | 0    | 0          | 0            |
| PL.29612     | PL.23896    | B   | 4ACSR              | 14.24Y    | 118.7        | 0.00            | 7.35                     | 1.06         | 1        | 15         | 2    | 99      | 0.00       | 0.0               | 14.504         | 0.013             | 0  | 0    | 0          | 3            |
| PD.2         | PL.29612    | B   | fuse6AMP           | 14.24Y    | 118.7        | 0.00            | 7.35                     | 1.06         | 18       | 15         | 2    | 99      | 0.00       | 0.0               | 14.504         | 0.000             | 0  | 0    | 0          | 3            |
| PL.29613     | PD.2        | B   | 4ACSR              | 14.24Y    | 118.6        | 0.01            | 7.35                     | 1.06         | 1        | 15         | 2    | 99      | 0.00       | 0.0               | 14.733         | 0.229             | 0  | 0    | 0          | 3            |
| PL.29382     | PL.29613    | B   | 4ACSR              | 14.24Y    | 118.6        | 0.00            | 7.35                     | 1.06         | 1        | 15         | 2    | 99      | 0.00       | 0.0               | 14.768         | 0.035             | 0  | 0    | 0          | 3            |
| 414907       | PL.29382    | B   | Consumer           | 14.24Y    | 118.6        | 0.00            | 7.35                     | 0.43         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 14.768         | 0.000             | 6  | 1    | 1          | 1            |
| 414908       | PL.29382    | B   | Consumer           | 14.24Y    | 118.6        | 0.00            | 7.35                     | 0.15         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 14.768         | 0.000             | 2  | 0    | 1          | 1            |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.29383     | PL.29382    | B   | 4ACSR              | 14.24Y    | 118.6        | 0.00            | 7.35                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 14.930                              | 0.163 | 0    | 0          | 0            | 1  |
| 414906       | PL.29383    | B   | Consumer           | 14.24Y    | 118.6        | 0.00            | 7.35                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 14.930                              | 0.000 | 7    | 1          | 1            | 1  |
| PL.15170     | PL.11227    | B   | 4ACSR              | 14.24Y    | 118.7        | 0.00            | 7.31                     | 0.18         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 14.254                              | 0.009 | 0    | 0          | 0            | 1  |
| PD.3676      | PL.15170    | B   | fuse6AMP           | 14.24Y    | 118.7        | 0.00            | 7.31                     | 0.18         | 3        | 3          | 0       | 100        | 0.00      | 0.0               | 14.254                              | 0.000 | 0    | 0          | 0            | 1  |
| PL.26937     | PD.3676     | B   | 4ACSR              | 14.24Y    | 118.7        | 0.00            | 7.31                     | 0.18         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 14.350                              | 0.096 | 0    | 0          | 0            | 1  |
| 424211       | PL.26937    | B   | Consumer           | 14.24Y    | 118.7        | 0.00            | 7.31                     | 0.18         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 14.350                              | 0.000 | 3    | 0          | 1            | 1  |
| PL.26940     | PL.11226    | B   | 4ACSR              | 14.25Y    | 118.8        | 0.00            | 7.24                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 13.845                              | 0.019 | 0    | 0          | 0            | 1  |
| PD.3675      | PL.26940    | B   | fuse6AMP           | 14.25Y    | 118.8        | 0.00            | 7.24                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 13.845                              | 0.000 | 0    | 0          | 0            | 1  |
| PL.26941     | PD.3675     | B   | 4ACSR              | 14.25Y    | 118.8        | 0.00            | 7.24                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 13.936                              | 0.091 | 0    | 0          | 0            | 1  |
| 424202       | PL.26941    | B   | Consumer           | 14.25Y    | 118.8        | 0.00            | 7.24                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 13.936                              | 0.000 | 0    | 0          | 1            | 1  |
| PL.26944     | PL.11225    | B   | 4ACSR              | 14.25Y    | 118.8        | 0.00            | 7.21                     | 0.74         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 13.703                              | 0.019 | 0    | 0          | 0            | 2  |
| PD.3673      | PL.26944    | B   | fuse6AMP           | 14.25Y    | 118.8        | 0.00            | 7.21                     | 0.74         | 13       | 11         | 1       | 100        | 0.00      | 0.0               | 13.703                              | 0.000 | 0    | 0          | 0            | 2  |
| PL.26945     | PD.3673     | B   | 4ACSR              | 14.25Y    | 118.8        | 0.00            | 7.21                     | 0.74         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 13.722                              | 0.019 | 0    | 0          | 0            | 2  |
| PL.6566      | PL.26945    | B   | 4ACSR              | 14.25Y    | 118.8        | 0.00            | 7.21                     | 0.73         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 13.773                              | 0.052 | 0    | 0          | 0            | 1  |
| 424207       | PL.6566     | B   | Consumer           | 14.25Y    | 118.8        | 0.00            | 7.21                     | 0.73         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 13.773                              | 0.000 | 10   | 1          | 1            | 1  |
| 424214       | PL.26945    | B   | Consumer           | 14.25Y    | 118.8        | 0.00            | 7.21                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 13.722                              | 0.000 | 0    | 0          | 1            | 1  |
| PL.26942     | PL.11225    | B   | 4ACSR              | 14.25Y    | 118.8        | 0.00            | 7.21                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 13.702                              | 0.018 | 0    | 0          | 0            | 1  |
| PD.3674      | PL.26942    | B   | fuse6AMP           | 14.25Y    | 118.8        | 0.00            | 7.21                     | 0.16         | 3        | 2          | 0       | 100        | 0.00      | 0.0               | 13.702                              | 0.000 | 0    | 0          | 0            | 1  |
| PL.26943     | PD.3674     | B   | 4ACSR              | 14.25Y    | 118.8        | 0.00            | 7.21                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 14.006                              | 0.304 | 0    | 0          | 0            | 1  |
| 424206       | PL.26943    | B   | Consumer           | 14.25Y    | 118.8        | 0.00            | 7.21                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 14.006                              | 0.000 | 2    | 0          | 1            | 1  |
| PL.26948     | PL.26951    | B   | 4ACSR              | 14.28Y    | 119.0        | 0.00            | 6.99                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 12.783                              | 0.042 | 0    | 0          | 0            | 3  |
| PD.3672      | PL.26948    | B   | fuse6AMP           | 14.28Y    | 119.0        | 0.00            | 6.99                     | 0.49         | 8        | 7          | 1       | 99         | 0.00      | 0.0               | 12.783                              | 0.000 | 0    | 0          | 0            | 3  |
| PL.26949     | PD.3672     | B   | 4ACSR              | 14.28Y    | 119.0        | 0.00            | 6.99                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 12.880                              | 0.097 | 0    | 0          | 0            | 3  |
| PL.23892     | PL.26949    | B   | 4ACSR              | 14.28Y    | 119.0        | 0.00            | 7.00                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 13.006                              | 0.126 | 0    | 0          | 0            | 3  |
| 424315       | PL.23892    | B   | Consumer           | 14.28Y    | 119.0        | 0.00            | 7.00                     | 0.43         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 13.006                              | 0.000 | 6    | 1          | 1            | 1  |
| PL.23895     | PL.23892    | B   | 4ACSR              | 14.28Y    | 119.0        | 0.00            | 7.00                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 13.104                              | 0.098 | 0    | 0          | 0            | 1  |
| 424319       | PL.23895    | B   | Consumer           | 14.28Y    | 119.0        | 0.00            | 7.00                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 13.104                              | 0.000 | 0    | 0          | 1            | 1  |
| PL.23893     | PL.23892    | B   | 4ACSR              | 14.28Y    | 119.0        | 0.00            | 7.00                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 13.146                              | 0.140 | 0    | 0          | 0            | 1  |
| PL.23894     | PL.23893    | B   | 4ACSR              | 14.28Y    | 119.0        | 0.00            | 7.00                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 13.216                              | 0.070 | 0    | 0          | 0            | 1  |
| PL.23891     | PL.23894    | B   | 4ACSR              | 14.28Y    | 119.0        | 0.00            | 7.00                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 13.337                              | 0.121 | 0    | 0          | 0            | 1  |
| 424316       | PL.23891    | B   | Consumer           | 14.28Y    | 119.0        | 0.00            | 7.00                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 13.337                              | 0.000 | 1    | 0          | 1            | 1  |
| PL.26954     | PL.19150    | B   | 4ACSR              | 14.36Y    | 119.7        | 0.00            | 6.33                     | 5.70         | 3        | 81         | 8       | 100        | 0.00      | 0.0               | 10.752                              | 0.013 | 0    | 0          | 0            | 23 |
| PD.3119      | PL.26954    | B   | 25V4E              | 14.36Y    | 119.7        | 0.00            | 6.33                     | 5.70         | 23       | 81         | 8       | 100        | 0.00      | 0.0               | 10.752                              | 0.000 | 0    | 0          | 0            | 23 |
| PL.26955     | PD.3119     | B   | 4ACSR              | 14.36Y    | 119.6        | 0.03            | 6.35                     | 5.70         | 3        | 81         | 8       | 100        | 0.02      | 0.0               | 10.968                              | 0.216 | 0    | 0          | 0            | 23 |
| PL.6671      | PL.26955    | B   | 4ACSR              | 14.36Y    | 119.6        | 0.00            | 6.36                     | 4.81         | 2        | 69         | 7       | 99         | 0.00      | 0.0               | 10.985                              | 0.017 | 0    | 0          | 0            | 21 |
| PL.11199     | PL.6671     | B   | 4ACSR              | 14.36Y    | 119.6        | 0.01            | 6.37                     | 4.81         | 2        | 69         | 7       | 99         | 0.01      | 0.0               | 11.082                              | 0.097 | 0    | 0          | 0            | 21 |
| PL.33712     | PL.11199    | B   | 4ACSR              | 14.36Y    | 119.6        | 0.00            | 6.37                     | 0.72         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 11.087                              | 0.005 | 0    | 0          | 0            | 6  |
| PD.4004      | PL.33712    | B   | fuse6AMP           | 14.36Y    | 119.6        | 0.00            | 6.37                     | 0.72         | 12       | 10         | 1       | 100        | 0.00      | 0.0               | 11.087                              | 0.000 | 0    | 0          | 0            | 6  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.33713     | PD.4004     | B   | 4ACSR              | 14.36Y    | 119.6        | 0.00            | 6.37                     | 0.72         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 11.279                              | 0.192 | 0    | 0          | 0            | 6  |
| PL.23901     | PL.33713    | B   | 4ACSR              | 14.36Y    | 119.6        | 0.00            | 6.37                     | 0.41         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 11.317                              | 0.039 | 0    | 0          | 0            | 2  |
| PL.2380      | PL.23901    | B   | 4ACSR              | 14.36Y    | 119.6        | 0.00            | 6.37                     | 0.41         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 11.350                              | 0.032 | 0    | 0          | 0            | 2  |
| 425533       | PL.2380     | B   | Consumer           | 14.36Y    | 119.6        | 0.00            | 6.37                     | 0.41         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 11.350                              | 0.000 | 6    | 1          | 1            | 1  |
| 425542       | PL.2380     | B   | Consumer           | 14.36Y    | 119.6        | 0.00            | 6.37                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.350                              | 0.000 | 0    | 0          | 1            | 1  |
| PL.1049      | PL.33713    | B   | 4ACSR              | 14.36Y    | 119.6        | 0.00            | 6.37                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.363                              | 0.084 | 0    | 0          | 0            | 1  |
| 424512       | PL.1049     | B   | Consumer           | 14.36Y    | 119.6        | 0.00            | 6.37                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.363                              | 0.000 | 0    | 0          | 1            | 1  |
| 424503       | PL.33713    | B   | Consumer           | 14.36Y    | 119.6        | 0.00            | 6.37                     | 0.08         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 11.279                              | 0.000 | 1    | 0          | 1            | 1  |
| PL.24791     | PL.33713    | B   | 4ACSR              | 14.36Y    | 119.6        | 0.00            | 6.37                     | 0.23         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 11.342                              | 0.064 | 0    | 0          | 0            | 2  |
| PL.24792     | PL.24791    | B   | 4ACSR              | 14.36Y    | 119.6        | 0.00            | 6.37                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.394                              | 0.052 | 0    | 0          | 0            | 1  |
| 424508       | PL.24792    | B   | Consumer           | 14.36Y    | 119.6        | 0.00            | 6.37                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.394                              | 0.000 | 0    | 0          | 1            | 1  |
| 424518       | PL.24791    | B   | Consumer           | 14.36Y    | 119.6        | 0.00            | 6.37                     | 0.22         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 11.342                              | 0.000 | 3    | 0          | 1            | 1  |
| PL.11200     | PL.11199    | B   | 4ACSR              | 14.35Y    | 119.6        | 0.02            | 6.38                     | 4.09         | 2        | 58         | 6       | 99         | 0.01      | 0.0               | 11.290                              | 0.207 | 0    | 0          | 0            | 15 |
| 424502       | PL.11200    | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.38                     | 1.31         | 0        | 19         | 2       | 99         | 0.00      | 0.0               | 11.290                              | 0.000 | 19   | 2          | 1            | 1  |
| PL.33716     | PL.11200    | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.38                     | 1.11         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 11.304                              | 0.015 | 0    | 0          | 0            | 5  |
| PD.4006      | PL.33716    | B   | fuse6AMP           | 14.35Y    | 119.6        | 0.00            | 6.38                     | 1.11         | 19       | 16         | 2       | 99         | 0.00      | 0.0               | 11.304                              | 0.000 | 0    | 0          | 0            | 5  |
| PL.33717     | PD.4006     | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.39                     | 1.11         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 11.413                              | 0.109 | 0    | 0          | 0            | 5  |
| 424511       | PL.33717    | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.39                     | 0.15         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 11.413                              | 0.000 | 2    | 0          | 1            | 1  |
| PL.6569      | PL.33717    | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.39                     | 0.96         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 11.601                              | 0.188 | 0    | 0          | 0            | 4  |
| PL.6570      | PL.6569     | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.39                     | 0.94         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 11.779                              | 0.178 | 0    | 0          | 0            | 3  |
| PL.1051      | PL.6570     | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.39                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.952                              | 0.173 | 0    | 0          | 0            | 1  |
| 424506       | PL.1051     | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.39                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.952                              | 0.000 | 0    | 0          | 1            | 1  |
| PL.6571      | PL.6570     | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.94         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 11.857                              | 0.078 | 0    | 0          | 0            | 2  |
| PL.6572      | PL.6571     | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.94         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 11.917                              | 0.060 | 0    | 0          | 0            | 2  |
| PL.1053      | PL.6572     | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 12.040                              | 0.123 | 0    | 0          | 0            | 1  |
| 424505       | PL.1053     | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 12.040                              | 0.000 | 0    | 0          | 1            | 1  |
| PL.1054      | PL.6572     | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.94         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 12.023                              | 0.106 | 0    | 0          | 0            | 1  |
| 424514       | PL.1054     | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.94         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 12.023                              | 0.000 | 13   | 1          | 1            | 1  |
| 424515       | PL.6571     | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.857                              | 0.000 | 0    | 0          | 0            | 0  |
| 424513       | PL.6569     | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.39                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.601                              | 0.000 | 0    | 0          | 1            | 1  |
| PL.33714     | PL.11200    | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.38                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.301                              | 0.011 | 0    | 0          | 0            | 1  |
| PD.4005      | PL.33714    | B   | fuse6AMP           | 14.35Y    | 119.6        | 0.00            | 6.38                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.301                              | 0.000 | 0    | 0          | 0            | 1  |
| PL.33715     | PD.4005     | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.38                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.408                              | 0.107 | 0    | 0          | 0            | 1  |
| 424516       | PL.33715    | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.38                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.408                              | 0.000 | 0    | 0          | 1            | 1  |
| PL.18309     | PL.11200    | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.39                     | 1.66         | 1        | 24         | 2       | 100        | 0.00      | 0.0               | 11.357                              | 0.067 | 0    | 0          | 0            | 8  |
| PD.297-A     | PL.18309    | B   | Closed             | 14.35Y    | 119.6        | 0.00            | 6.39                     | 1.66         | 0        | 24         | 2       | 100        | 0.00      | 0.0               | 11.357                              | 0.000 | 0    | 0          | 0            | 8  |
| PD.297-B     | PD.297-A    | B   | Closed             | 14.35Y    | 119.6        | 0.00            | 6.39                     | 1.66         | 0        | 24         | 2       | 100        | 0.00      | 0.0               | 11.357                              | 0.000 | 0    | 0          | 0            | 8  |
| PL.18310     | PD.297-B    | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.39                     | 1.66         | 1        | 24         | 2       | 100        | 0.00      | 0.0               | 11.452                              | 0.095 | 0    | 0          | 0            | 8  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 424504       | PL.18310    | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.39                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.452                              | 0.000 | 0    | 0          | 1            | 1 |
| PL.11201     | PL.18310    | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.39                     | 1.64         | 1        | 23         | 2       | 100        | 0.00      | 0.0               | 11.573                              | 0.121 | 0    | 0          | 0            | 7 |
| PL.33718     | PL.11201    | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.39                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 11.580                              | 0.007 | 0    | 0          | 0            | 1 |
| PD.4008      | PL.33718    | B   | fuse6AMP           | 14.35Y    | 119.6        | 0.00            | 6.39                     | 0.56         | 10       | 8          | 1       | 99         | 0.00      | 0.0               | 11.580                              | 0.000 | 0    | 0          | 0            | 1 |
| PL.33719     | PD.4008     | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 11.723                              | 0.144 | 0    | 0          | 0            | 1 |
| 4245025      | PL.33719    | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.723                              | 0.000 | 0    | 0          | 0            | 0 |
| 424517       | PL.33719    | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 11.723                              | 0.000 | 8    | 1          | 1            | 1 |
| PL.11202     | PL.11201    | B   | 4ACSR              | 14.35Y    | 119.6        | 0.01            | 6.40                     | 1.08         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 11.965                              | 0.392 | 0    | 0          | 0            | 6 |
| 424501       | PL.11202    | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.58         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 11.965                              | 0.000 | 8    | 1          | 1            | 1 |
| PL.11203     | PL.11202    | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.50         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 12.121                              | 0.156 | 0    | 0          | 0            | 5 |
| PL.11204     | PL.11203    | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 12.291                              | 0.170 | 0    | 0          | 0            | 1 |
| 423501       | PL.11204    | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 12.291                              | 0.000 | 0    | 0          | 1            | 1 |
| PL.33720     | PL.11203    | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.50         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 12.129                              | 0.008 | 0    | 0          | 0            | 4 |
| PD.4009      | PL.33720    | B   | fuse6AMP           | 14.35Y    | 119.6        | 0.00            | 6.40                     | 0.50         | 8        | 7          | 1       | 99         | 0.00      | 0.0               | 12.129                              | 0.000 | 0    | 0          | 0            | 4 |
| PL.33721     | PD.4009     | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.41                     | 0.50         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 12.217                              | 0.088 | 0    | 0          | 0            | 4 |
| 423505       | PL.33721    | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.41                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 12.217                              | 0.000 | 0    | 0          | 1            | 1 |
| 423502       | PL.33721    | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.41                     | 0.29         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 12.217                              | 0.000 | 4    | 0          | 1            | 1 |
| PL.23899     | PL.33721    | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.41                     | 0.17         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 12.275                              | 0.058 | 0    | 0          | 0            | 2 |
| PL.23900     | PL.23899    | B   | 4ACSR              | 14.35Y    | 119.6        | 0.00            | 6.41                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 12.365                              | 0.090 | 0    | 0          | 0            | 1 |
| 423504       | PL.23900    | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.41                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 12.365                              | 0.000 | 0    | 0          | 1            | 1 |
| 423503       | PL.23899    | B   | Consumer           | 14.35Y    | 119.6        | 0.00            | 6.41                     | 0.14         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 12.275                              | 0.000 | 2    | 0          | 1            | 1 |
| 425519       | PL.26955    | B   | Consumer           | 14.36Y    | 119.6        | 0.00            | 6.35                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 10.968                              | 0.000 | 2    | 0          | 1            | 1 |
| 425501       | PL.26955    | B   | Consumer           | 14.36Y    | 119.6        | 0.00            | 6.35                     | 0.73         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 10.968                              | 0.000 | 10   | 1          | 1            | 1 |
| PL.11190     | PL.17998    | B   | 4ACSR              | 14.38Y    | 119.8        | 0.00            | 6.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.511                              | 0.017 | 0    | 0          | 0            | 0 |
| PD.1342      | PL.11190    | B   | fuse6AMP           | 14.38Y    | 119.8        | 0.00            | 6.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.511                              | 0.000 | 0    | 0          | 0            | 0 |
| PL.11191     | PD.1342     | B   | 4ACSR              | 14.38Y    | 119.8        | 0.00            | 6.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.608                              | 0.097 | 0    | 0          | 0            | 0 |
| 425522       | PL.11191    | B   | Consumer           | 14.38Y    | 119.8        | 0.00            | 6.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.608                              | 0.000 | 0    | 0          | 0            | 0 |
| PL.18505     | PL.11646    | B   | 4ACSR              | 14.39Y    | 119.9        | 0.00            | 6.07                     | 4.45         | 2        | 64         | 7       | 99         | 0.00      | 0.0               | 10.355                              | 0.013 | 0    | 0          | 0            | 9 |
| PD.1341      | PL.18505    | B   | fuse6AMP           | 14.39Y    | 119.9        | 0.00            | 6.07                     | 4.45         | 76       | 64         | 7       | 99         | 0.00      | 0.0               | 10.355                              | 0.000 | 0    | 0          | 0            | 9 |
| PL.45686     | PD.1341     | B   | 4ACSR              | 14.39Y    | 119.9        | 0.00            | 6.08                     | 4.45         | 2        | 64         | 7       | 99         | 0.00      | 0.0               | 10.407                              | 0.051 | 0    | 0          | 0            | 9 |
| PL.45687     | PL.45686    | B   | 4ACSR              | 14.39Y    | 119.9        | 0.01            | 6.09                     | 4.45         | 2        | 64         | 7       | 99         | 0.01      | 0.0               | 10.527                              | 0.121 | 0    | 0          | 0            | 9 |
| PL.2377      | PL.45687    | B   | 4ACSR              | 14.39Y    | 119.9        | 0.00            | 6.09                     | 1.07         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 10.562                              | 0.035 | 0    | 0          | 0            | 2 |
| 425536       | PL.2377     | B   | Consumer           | 14.39Y    | 119.9        | 0.00            | 6.09                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 10.562                              | 0.000 | 1    | 0          | 1            | 1 |
| 425530       | PL.2377     | B   | Consumer           | 14.39Y    | 119.9        | 0.00            | 6.09                     | 1.03         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 10.562                              | 0.000 | 15   | 2          | 1            | 1 |
| PL.19316     | PL.45687    | B   | 4ACSR              | 14.39Y    | 119.9        | 0.00            | 6.09                     | 2.75         | 1        | 39         | 4       | 99         | 0.00      | 0.0               | 10.601                              | 0.073 | 0    | 0          | 0            | 6 |
| PL.19148     | PL.19316    | B   | 4ACSR              | 14.39Y    | 119.9        | 0.00            | 6.09                     | 2.01         | 1        | 29         | 3       | 99         | 0.00      | 0.0               | 10.631                              | 0.030 | 0    | 0          | 0            | 5 |
| PL.11647     | PL.19148    | B   | 4ACSR              | 14.39Y    | 119.9        | 0.00            | 6.09                     | 1.20         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 10.677                              | 0.046 | 0    | 0          | 0            | 4 |
| PL.2365      | PL.11647    | B   | 4ACSR              | 14.39Y    | 119.9        | 0.00            | 6.10                     | 1.19         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 10.845                              | 0.167 | 0    | 0          | 0            | 3 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.2378      | PL.2365     | B   | 4ACSR              | 14.39Y    | 119.9        | 0.00            | 6.10                     | 1.19         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 10.917                              | 0.072 | 0    | 0          | 0            | 2 |
| 425537       | PL.2378     | B   | Consumer           | 14.39Y    | 119.9        | 0.00            | 6.10                     | 0.57         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 10.917                              | 0.000 | 8    | 1          | 1            | 1 |
| 425531       | PL.2378     | B   | Consumer           | 14.39Y    | 119.9        | 0.00            | 6.10                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 10.917                              | 0.000 | 9    | 1          | 1            | 1 |
| 425514       | PL.2365     | B   | Consumer           | 14.39Y    | 119.9        | 0.00            | 6.10                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.845                              | 0.000 | 0    | 0          | 1            | 1 |
| PL.2366      | PL.11647    | B   | 4ACSR              | 14.39Y    | 119.9        | 0.00            | 6.09                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.765                              | 0.087 | 0    | 0          | 0            | 1 |
| 425521       | PL.2366     | B   | Consumer           | 14.39Y    | 119.9        | 0.00            | 6.09                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.765                              | 0.000 | 0    | 0          | 1            | 1 |
| PL.2374      | PL.19148    | B   | 4ACSR              | 14.39Y    | 119.9        | 0.00            | 6.09                     | 0.81         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 10.701                              | 0.070 | 0    | 0          | 0            | 1 |
| 425527       | PL.2374     | B   | Consumer           | 14.39Y    | 119.9        | 0.00            | 6.09                     | 0.81         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 10.701                              | 0.000 | 12   | 1          | 1            | 1 |
| 425513       | PL.19316    | B   | Consumer           | 14.39Y    | 119.9        | 0.00            | 6.09                     | 0.74         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 10.601                              | 0.000 | 11   | 1          | 1            | 1 |
| PL.2382      | PL.45687    | B   | 4ACSR              | 14.39Y    | 119.9        | 0.00            | 6.09                     | 0.63         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 10.555                              | 0.027 | 0    | 0          | 0            | 1 |
| 425535       | PL.2382     | B   | Consumer           | 14.39Y    | 119.9        | 0.00            | 6.09                     | 0.63         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 10.555                              | 0.000 | 9    | 1          | 1            | 1 |
| 4255045      | PL.45686    | B   | Consumer           | 14.39Y    | 119.9        | 0.00            | 6.08                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.407                              | 0.000 | 0    | 0          | 0            | 0 |
| PL.11639     | PL.11644    | B   | 4ACSR              | 14.42Y    | 120.2        | 0.00            | 5.85                     | 1.79         | 1        | 26         | 3       | 99         | 0.00      | 0.0               | 10.056                              | 0.014 | 0    | 0          | 0            | 6 |
| PD.1340      | PL.11639    | B   | fuse6AMP           | 14.42Y    | 120.2        | 0.00            | 5.85                     | 1.79         | 31       | 26         | 3       | 99         | 0.00      | 0.0               | 10.056                              | 0.000 | 0    | 0          | 0            | 6 |
| PL.11640     | PD.1340     | B   | 4ACSR              | 14.42Y    | 120.2        | 0.00            | 5.85                     | 1.79         | 1        | 26         | 3       | 99         | 0.00      | 0.0               | 10.095                              | 0.039 | 0    | 0          | 0            | 6 |
| 425539       | PL.11640    | B   | Consumer           | 14.42Y    | 120.2        | 0.00            | 5.85                     | 0.55         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 10.095                              | 0.000 | 8    | 1          | 1            | 1 |
| PL.2384      | PL.11640    | B   | 4ACSR              | 14.42Y    | 120.2        | 0.00            | 5.85                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.157                              | 0.062 | 0    | 0          | 0            | 0 |
| 425520       | PL.2384     | B   | Consumer           | 14.42Y    | 120.2        | 0.00            | 5.85                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.157                              | 0.000 | 0    | 0          | 0            | 0 |
| PL.11638     | PL.11640    | B   | 4ACSR              | 14.42Y    | 120.2        | 0.00            | 5.85                     | 1.24         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 10.126                              | 0.030 | 0    | 0          | 0            | 5 |
| PL.6668      | PL.11638    | B   | 4ACSR              | 14.42Y    | 120.1        | 0.00            | 5.85                     | 1.24         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 10.235                              | 0.110 | 0    | 0          | 0            | 5 |
| 425505       | PL.6668     | B   | Consumer           | 14.42Y    | 120.1        | 0.00            | 5.85                     | 0.26         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 10.235                              | 0.000 | 4    | 0          | 1            | 1 |
| PL.6669      | PL.6668     | B   | 4ACSR              | 14.42Y    | 120.1        | 0.00            | 5.85                     | 0.98         | 1        | 14         | 1       | 100        | 0.00      | 0.0               | 10.462                              | 0.227 | 0    | 0          | 0            | 4 |
| PL.6667      | PL.6669     | B   | 4ACSR              | 14.42Y    | 120.1        | 0.00            | 5.86                     | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 10.603                              | 0.141 | 0    | 0          | 0            | 2 |
| 426513       | PL.6667     | B   | Consumer           | 14.42Y    | 120.1        | 0.00            | 5.86                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.603                              | 0.000 | 0    | 0          | 0            | 0 |
| 425507       | PL.6667     | B   | Consumer           | 14.42Y    | 120.1        | 0.00            | 5.86                     | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 10.603                              | 0.000 | 1    | 0          | 1            | 1 |
| PL.2363      | PL.6667     | B   | 4ACSR              | 14.42Y    | 120.1        | 0.00            | 5.86                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.737                              | 0.134 | 0    | 0          | 0            | 1 |
| PL.2364      | PL.2363     | B   | 4ACSR              | 14.42Y    | 120.1        | 0.00            | 5.86                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.823                              | 0.086 | 0    | 0          | 0            | 1 |
| 426504       | PL.2364     | B   | Consumer           | 14.42Y    | 120.1        | 0.00            | 5.86                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.823                              | 0.000 | 0    | 0          | 1            | 1 |
| 425523       | PL.6669     | B   | Consumer           | 14.42Y    | 120.1        | 0.00            | 5.85                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 10.462                              | 0.000 | 1    | 0          | 1            | 1 |
| 425524       | PL.6669     | B   | Consumer           | 14.42Y    | 120.1        | 0.00            | 5.85                     | 0.84         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 10.462                              | 0.000 | 12   | 1          | 1            | 1 |
| PL.20252     | PL.11637    | B   | 4ACSR              | 14.44Y    | 120.3        | 0.00            | 5.66                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 9.812                               | 0.009 | 0    | 0          | 0            | 3 |
| PD.1339      | PL.20252    | B   | fuse6AMP           | 14.44Y    | 120.3        | 0.00            | 5.66                     | 0.53         | 9        | 8          | 1       | 99         | 0.00      | 0.0               | 9.812                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.20253     | PD.1339     | B   | 4ACSR              | 14.44Y    | 120.3        | 0.00            | 5.66                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 9.889                               | 0.077 | 0    | 0          | 0            | 3 |
| PL.6672      | PL.20253    | B   | 4ACSR              | 14.44Y    | 120.3        | 0.00            | 5.66                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 9.959                               | 0.070 | 0    | 0          | 0            | 2 |
| 425540       | PL.6672     | B   | Consumer           | 14.44Y    | 120.3        | 0.00            | 5.66                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.959                               | 0.000 | 0    | 0          | 1            | 1 |
| 425517       | PL.6672     | B   | Consumer           | 14.44Y    | 120.3        | 0.00            | 5.66                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 9.959                               | 0.000 | 1    | 0          | 1            | 1 |
| 425528       | PL.20253    | B   | Consumer           | 14.44Y    | 120.3        | 0.00            | 5.66                     | 0.46         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 9.889                               | 0.000 | 7    | 1          | 1            | 1 |
| 425608       | PL.6670     | B   | Consumer           | 14.45Y    | 120.4        | 0.00            | 5.56                     | 0.46         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 9.680                               | 0.000 | 7    | 1          | 1            | 1 |



Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 425613       | PL.24544    | B   | Consumer           | 14.52Y    | 121.0        | 0.00            | 5.01                     | 0.37         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 9.047                               | 0.000 | 5    | 1          | 1            | 1         |
| 425619       | PL.24544    | B   | Consumer           | 14.52Y    | 121.0        | 0.00            | 5.01                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.047                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.12203     | PL.11634    | B   | 4ACSR              | 14.54Y    | 121.1        | 0.00            | 4.85                     | 0.49         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 8.896                               | 0.010 | 0    | 0          | 0            | 1         |
| PD.1290      | PL.12203    | B   | fuse6AMP           | 14.54Y    | 121.1        | 0.00            | 4.85                     | 0.49         | 8        | 7          | 1    | 99      | 0.00       | 0.0               | 8.896                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.12204     | PD.1290     | B   | 4ACSR              | 14.54Y    | 121.1        | 0.00            | 4.86                     | 0.49         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 8.992                               | 0.096 | 0    | 0          | 0            | 1         |
| PL.2259      | PL.12204    | B   | 4ACSR              | 14.54Y    | 121.1        | 0.00            | 4.86                     | 0.49         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 9.023                               | 0.032 | 0    | 0          | 0            | 1         |
| 424608       | PL.2259     | B   | Consumer           | 14.54Y    | 121.1        | 0.00            | 4.86                     | 0.49         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 9.023                               | 0.000 | 7    | 1          | 1            | 1         |
| 425620       | PL.11629    | B   | Consumer           | 14.57Y    | 121.4        | 0.00            | 4.59                     | 0.44         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 8.613                               | 0.000 | 6    | 1          | 1            | 1         |
| 4267026      | PL.41478    | B   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.61                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.649                               | 0.000 | 0    | 0          | 1            | 1         |
| 426701       | PL.11622    | B   | Consumer           | 14.70Y    | 122.5        | 0.00            | 3.50                     | 0.63         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 7.542                               | 0.000 | 9    | 1          | 1            | 1         |
| PL.11619     | PL.24796    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.58                     | 3.85         | 2        | 58         | 5    | 100     | 0.00       | 0.0               | 7.506                               | 0.005 | 0    | 0          | 0            | 13        |
| PD.3109      | PL.11619    | C   | 25V4E              | 15.05Y    | 125.4        | 0.00            | 0.58                     | 3.85         | 15       | 58         | 5    | 100     | 0.00       | 0.0               | 7.506                               | 0.000 | 0    | 0          | 0            | 13        |
| PL.11620     | PD.3109     | C   | 4ACSR              | 15.05Y    | 125.4        | 0.01            | 0.59                     | 3.85         | 2        | 58         | 5    | 100     | 0.00       | 0.0               | 7.614                               | 0.108 | 0    | 0          | 0            | 13        |
| PL.45740     | PL.11620    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.59                     | 2.85         | 1        | 43         | 4    | 100     | 0.00       | 0.0               | 7.677                               | 0.063 | 0    | 0          | 0            | 11        |
| PL.45741     | PL.45740    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.59                     | 2.85         | 1        | 43         | 4    | 100     | 0.00       | 0.0               | 7.722                               | 0.045 | 0    | 0          | 0            | 11        |
| PL.11209     | PL.45741    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.02            | 0.61                     | 2.50         | 1        | 38         | 3    | 100     | 0.00       | 0.0               | 8.055                               | 0.333 | 0    | 0          | 0            | 10        |
| PL.19526     | PL.11209    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.62                     | 1.08         | 1        | 16         | 1    | 100     | 0.00       | 0.0               | 8.224                               | 0.169 | 0    | 0          | 0            | 5         |
| PL.19527     | PL.19526    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.62                     | 1.06         | 1        | 16         | 1    | 100     | 0.00       | 0.0               | 8.393                               | 0.168 | 0    | 0          | 0            | 4         |
| PL.38962     | PL.19527    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.404                               | 0.011 | 0    | 0          | 0            | 0         |
| PL.38964     | PL.19527    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.23         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 8.402                               | 0.009 | 0    | 0          | 0            | 1         |
| PL.38965     | PL.38964    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.23         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 8.535                               | 0.133 | 0    | 0          | 0            | 1         |
| PL.24798     | PL.38965    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.563                               | 0.028 | 0    | 0          | 0            | 0         |
| PL.2311      | PL.24798    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.593                               | 0.030 | 0    | 0          | 0            | 0         |
| 426714       | PL.38965    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.23         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 8.535                               | 0.000 | 3    | 0          | 1            | 1         |
| 426710       | PL.19527    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.14         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 8.393                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.45789     | PL.19527    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.36         | 0        | 5          | 0    | 100     | 0.00       | 0.0               | 8.482                               | 0.089 | 0    | 0          | 0            | 1         |
| PL.45790     | PL.45789    | C   | 1/0EPRJCN          | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.36         | 0        | 5          | 0    | 100     | 0.00       | 0.0               | 8.516                               | 0.034 | 0    | 0          | 0            | 1         |
| 426718       | PL.45790    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.36         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 8.516                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.11212     | PL.19527    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.33         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 8.599                               | 0.207 | 0    | 0          | 0            | 1         |
| PL.23910     | PL.11212    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.667                               | 0.067 | 0    | 0          | 0            | 0         |
| PL.11213     | PL.11212    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.33         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 8.687                               | 0.087 | 0    | 0          | 0            | 1         |
| PL.24795     | PL.11213    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.390                               | 0.703 | 0    | 0          | 0            | 0         |
| 426715       | PL.11213    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.33         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 8.687                               | 0.000 | 5    | 1          | 1            | 1         |
| 426708       | PL.19526    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.224                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.38957     | PL.11209    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.61                     | 1.17         | 1        | 18         | 2    | 99      | 0.00       | 0.0               | 8.059                               | 0.004 | 0    | 0          | 0            | 4         |
| PD.6787      | PL.38957    | C   | fuse6AMP           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 1.17         | 20       | 18         | 2    | 99      | 0.00       | 0.0               | 8.059                               | 0.000 | 0    | 0          | 0            | 4         |
| PL.38960     | PD.6787     | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.61                     | 1.17         | 1        | 18         | 2    | 99      | 0.00       | 0.0               | 8.064                               | 0.005 | 0    | 0          | 0            | 4         |
| PL.38961     | PL.38960    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.28         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 8.130                               | 0.065 | 0    | 0          | 0            | 2         |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 426725       | PL.38961    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.130                               | 0.000 | 0    | 0          | 0            | 0 |
| 426724       | PL.38961    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.28         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 8.130                               | 0.000 | 4    | 0          | 1            | 1 |
| 426706       | PL.38961    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.130                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.38959     | PL.38960    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.90         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 8.199                               | 0.135 | 0    | 0          | 0            | 2 |
| PL.23917     | PL.38959    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.265                               | 0.066 | 0    | 0          | 0            | 1 |
| 426722       | PL.23917    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.265                               | 0.000 | 0    | 0          | 1            | 1 |
| 426719       | PL.38959    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.90         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 8.199                               | 0.000 | 13   | 1          | 1            | 1 |
| PL.33737     | PL.11209    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.25         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 8.060                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.4017      | PL.33737    | C   | fuse6AMP           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.25         | 4        | 4          | 0       | 100        | 0.00      | 0.0               | 8.060                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.33738     | PD.4017     | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.25         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 8.201                               | 0.141 | 0    | 0          | 0            | 1 |
| PL.11211     | PL.33738    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.302                               | 0.101 | 0    | 0          | 0            | 0 |
| 426709       | PL.33738    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.25         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 8.201                               | 0.000 | 4    | 0          | 1            | 1 |
| PL.38955     | PL.45741    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.59                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 7.727                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.6786      | PL.38955    | C   | fuse6AMP           | 15.05Y    | 125.4        | 0.00            | 0.59                     | 0.34         | 6        | 5          | 1       | 98         | 0.00      | 0.0               | 7.727                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.38956     | PD.6786     | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.60                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 7.856                               | 0.129 | 0    | 0          | 0            | 1 |
| PL.23912     | PL.38956    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.60                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 7.998                               | 0.142 | 0    | 0          | 0            | 1 |
| 426720       | PL.23912    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.60                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 7.998                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.23914     | PL.45741    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.59                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.870                               | 0.148 | 0    | 0          | 0            | 0 |
| PL.45739     | PL.45740    | C   | 2ACSR              | 15.05Y    | 125.4        | 0.00            | 0.59                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.724                               | 0.047 | 0    | 0          | 0            | 0 |
| 4267027      | PL.45739    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.59                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.724                               | 0.000 | 0    | 0          | 0            | 0 |
| 426723       | PL.11620    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.59                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.614                               | 0.000 | 0    | 0          | 1            | 1 |
| 426721       | PL.11620    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.59                     | 0.99         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 7.614                               | 0.000 | 15   | 2          | 1            | 1 |
| PL.25610     | PL.11616    | C   | 4ACSR              | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.256                               | 0.009 | 0    | 0          | 0            | 1 |
| PD.3681      | PL.25610    | C   | fuse6AMP           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.256                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.25611     | PD.3681     | C   | 4ACSR              | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.359                               | 0.103 | 0    | 0          | 0            | 1 |
| 426617       | PL.25611    | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.359                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.25608     | PL.11616    | C   | 4ACSR              | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.67         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 7.259                               | 0.013 | 0    | 0          | 0            | 1 |
| PD.3680      | PL.25608    | C   | fuse6AMP           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.67         | 11       | 10         | 1       | 100        | 0.00      | 0.0               | 7.259                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.25609     | PD.3680     | C   | 4ACSR              | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.67         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 7.374                               | 0.115 | 0    | 0          | 0            | 1 |
| 426613       | PL.25609    | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.67         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 7.374                               | 0.000 | 10   | 1          | 1            | 1 |
| 426616       | PL.25828    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 1.25         | 0        | 19         | 2       | 99         | 0.00      | 0.0               | 6.712                               | 0.000 | 19   | 2          | 1            | 1 |
| 427701       | PL.6657     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.42         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 6.323                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.26027     | PL.26026    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.80                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.192                               | 0.014 | 0    | 0          | 0            | 0 |
| PD.1312      | PL.26027    | C   | fuse6AMP           | 15.02Y    | 125.2        | 0.00            | 0.80                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.192                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.25820     | PD.1312     | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.80                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.246                               | 0.053 | 0    | 0          | 0            | 0 |
| 427714       | PL.25820    | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.80                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.246                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.25821     | PL.26026    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.80                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 6.186                               | 0.007 | 0    | 0          | 0            | 2 |
| PD.1310      | PL.25821    | C   | fuse6AMP           | 15.02Y    | 125.2        | 0.00            | 0.80                     | 0.45         | 8        | 7          | 1       | 99         | 0.00      | 0.0               | 6.186                               | 0.000 | 0    | 0          | 0            | 2 |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data rows for various elements like PL.25822, PL.2347, etc.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.26017     | PD.315-B    | A   | 4ACSR              | 14.78Y    | 123.2        | 0.07            | 2.81                     | 40.49        | 21       | 595        | 70   | 99      | 0.32       | 0.1               | 5.212                               | 0.083 | 0    | 0          | 0            | 120       |
| PL.26018     | PL.26017    | A   | 4ACSR              | 14.76Y    | 123.0        | 0.19            | 2.99                     | 40.49        | 21       | 595        | 69   | 99      | 0.85       | 0.1               | 5.427                               | 0.216 | 0    | 0          | 0            | 120       |
| PL.16122     | PL.26018    | A   | 4ACSR              | 14.76Y    | 123.0        | 0.02            | 3.01                     | 38.01        | 20       | 557        | 65   | 99      | 0.08       | 0.0               | 5.450                               | 0.023 | 0    | 0          | 0            | 115       |
| PD.309-A     | PL.16122    | A   | Closed             | 14.76Y    | 123.0        | 0.00            | 3.01                     | 38.01        | 0        | 557        | 65   | 99      | 0.00       | 0.0               | 5.450                               | 0.000 | 0    | 0          | 0            | 115       |
| PD.309-B     | PD.309-A    | A   | Closed             | 14.76Y    | 123.0        | 0.00            | 3.01                     | 38.01        | 0        | 557        | 65   | 99      | 0.00       | 0.0               | 5.450                               | 0.000 | 0    | 0          | 0            | 115       |
| PL.16123     | PD.309-B    | A   | 4ACSR              | 14.71Y    | 122.6        | 0.37            | 3.38                     | 38.01        | 20       | 557        | 65   | 99      | 1.58       | 0.3               | 5.908                               | 0.458 | 0    | 0          | 0            | 115       |
| PL.15723     | PL.16123    | A   | 4ACSR              | 14.70Y    | 122.5        | 0.14            | 3.52                     | 37.19        | 19       | 544        | 63   | 99      | 0.60       | 0.1               | 6.090                               | 0.182 | 0    | 0          | 0            | 112       |
| PL.23648     | PL.15723    | A   | 4ACSR              | 14.69Y    | 122.5        | 0.03            | 3.55                     | 37.19        | 19       | 543        | 62   | 99      | 0.11       | 0.0               | 6.124                               | 0.034 | 0    | 0          | 0            | 112       |
| PL.15568     | PL.23648    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.01            | 3.55                     | 33.22        | 17       | 485        | 56   | 99      | 0.02       | 0.0               | 6.132                               | 0.007 | 0    | 0          | 0            | 98        |
| PD.3113      | PL.15568    | A   | 50L                | 14.69Y    | 122.4        | 0.00            | 3.55                     | 33.22        | 66       | 485        | 56   | 99      | 0.00       | 0.0               | 6.132                               | 0.000 | 0    | 0          | 0            | 98        |
| PL.15569     | PD.3113     | A   | 4ACSR              | 14.68Y    | 122.3        | 0.15            | 3.70                     | 33.22        | 17       | 485        | 56   | 99      | 0.56       | 0.1               | 6.344                               | 0.212 | 0    | 0          | 0            | 98        |
| PL.33788     | PL.15569    | A   | 4ACSR              | 14.68Y    | 122.3        | 0.00            | 3.70                     | 1.35         | 1        | 20         | 2    | 100     | 0.00       | 0.0               | 6.354                               | 0.010 | 0    | 0          | 0            | 3         |
| PD.4040      | PL.33788    | A   | fuse6AMP           | 14.68Y    | 122.3        | 0.00            | 3.70                     | 1.35         | 23       | 20         | 2    | 100     | 0.00       | 0.0               | 6.354                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.33789     | PD.4040     | A   | 4ACSR              | 14.68Y    | 122.3        | 0.00            | 3.70                     | 1.35         | 1        | 20         | 2    | 100     | 0.00       | 0.0               | 6.401                               | 0.047 | 0    | 0          | 0            | 3         |
| 427911       | PL.33789    | A   | Consumer           | 14.68Y    | 122.3        | 0.00            | 3.70                     | 0.48         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 6.401                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.19431     | PL.33789    | A   | 4ACSR              | 14.68Y    | 122.3        | 0.00            | 3.70                     | 0.87         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 6.418                               | 0.017 | 0    | 0          | 0            | 2         |
| PL.2351      | PL.19431    | A   | 4ACSR              | 14.68Y    | 122.3        | 0.00            | 3.71                     | 0.87         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 6.459                               | 0.041 | 0    | 0          | 0            | 2         |
| 427827       | PL.2351     | A   | Consumer           | 14.68Y    | 122.3        | 0.00            | 3.71                     | 0.21         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 6.459                               | 0.000 | 3    | 0          | 1            | 1         |
| 427811       | PL.2351     | A   | Consumer           | 14.68Y    | 122.3        | 0.00            | 3.71                     | 0.66         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 6.459                               | 0.000 | 10   | 1          | 1            | 1         |
| 426901       | PL.15569    | A   | Consumer           | 14.68Y    | 122.3        | 0.00            | 3.70                     | 0.38         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 6.344                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.15724     | PL.15569    | A   | 4ACSR              | 14.67Y    | 122.3        | 0.05            | 3.75                     | 31.49        | 16       | 459        | 53   | 99      | 0.16       | 0.0               | 6.412                               | 0.069 | 0    | 0          | 0            | 94        |
| PL.15725     | PL.15724    | A   | 4ACSR              | 14.67Y    | 122.3        | 0.00            | 3.75                     | 31.34        | 16       | 457        | 53   | 99      | 0.00       | 0.0               | 6.412                               | 0.000 | 0    | 0          | 0            | 93        |
| PL.26985     | PL.15725    | A   | 4ACSR              | 14.65Y    | 122.1        | 0.20            | 3.95                     | 31.34        | 16       | 457        | 53   | 99      | 0.71       | 0.2               | 6.714                               | 0.302 | 0    | 0          | 0            | 93        |
| PL.16130     | PL.26985    | A   | 4ACSR              | 14.65Y    | 122.0        | 0.00            | 3.95                     | 12.85        | 7        | 187        | 20   | 99      | 0.01       | 0.0               | 6.727                               | 0.014 | 0    | 0          | 0            | 44        |
| PD.301-A     | PL.16130    | A   | Closed             | 14.65Y    | 122.0        | 0.00            | 3.95                     | 12.85        | 0        | 187        | 20   | 99      | 0.00       | 0.0               | 6.727                               | 0.000 | 0    | 0          | 0            | 44        |
| PD.301-B     | PD.301-A    | A   | Closed             | 14.65Y    | 122.0        | 0.00            | 3.95                     | 12.85        | 0        | 187        | 20   | 99      | 0.00       | 0.0               | 6.727                               | 0.000 | 0    | 0          | 0            | 44        |
| PL.16131     | PD.301-B    | A   | 4ACSR              | 14.64Y    | 122.0        | 0.01            | 3.97                     | 12.85        | 7        | 187        | 20   | 99      | 0.02       | 0.0               | 6.775                               | 0.048 | 0    | 0          | 0            | 44        |
| PL.37962     | PL.16131    | A   | 4ACSR              | 14.64Y    | 122.0        | 0.02            | 3.99                     | 12.85        | 7        | 187        | 20   | 99      | 0.03       | 0.0               | 6.855                               | 0.080 | 0    | 0          | 0            | 44        |
| 427912       | PL.37962    | A   | Consumer           | 14.64Y    | 122.0        | 0.00            | 3.99                     | 0.25         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 6.855                               | 0.000 | 4    | 0          | 1            | 1         |
| PL.37961     | PL.37962    | A   | 4ACSR              | 14.64Y    | 122.0        | 0.00            | 3.99                     | 12.60        | 6        | 184        | 19   | 99      | 0.00       | 0.0               | 6.858                               | 0.003 | 0    | 0          | 0            | 43        |
| PL.37958     | PL.37961    | A   | 4ACSR              | 14.64Y    | 122.0        | 0.02            | 4.01                     | 12.60        | 6        | 184        | 19   | 99      | 0.03       | 0.0               | 6.934                               | 0.076 | 0    | 0          | 0            | 43        |
| PL.37963     | PL.37958    | A   | 4ACSR              | 14.64Y    | 122.0        | 0.00            | 4.01                     | 0.84         | 0        | 12         | 1    | 100     | 0.00       | 0.0               | 6.939                               | 0.005 | 0    | 0          | 0            | 1         |
| PD.6286      | PL.37963    | A   | fuse6AMP           | 14.64Y    | 122.0        | 0.00            | 4.01                     | 0.84         | 14       | 12         | 1    | 100     | 0.00       | 0.0               | 6.939                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.37964     | PD.6286     | A   | 4ACSR              | 14.64Y    | 122.0        | 0.00            | 4.01                     | 0.84         | 0        | 12         | 1    | 100     | 0.00       | 0.0               | 6.955                               | 0.016 | 0    | 0          | 0            | 1         |
| 427902       | PL.37964    | A   | Consumer           | 14.64Y    | 122.0        | 0.00            | 4.01                     | 0.84         | 0        | 12         | 1    | 100     | 0.00       | 0.0               | 6.955                               | 0.000 | 12   | 1          | 1            | 1         |
| PL.37960     | PL.37964    | A   | 4ACSR              | 14.64Y    | 122.0        | 0.00            | 4.01                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.998                               | 0.044 | 0    | 0          | 0            | 0         |
| PL.37957     | PL.37958    | A   | 4ACSR              | 14.64Y    | 122.0        | 0.02            | 4.02                     | 11.76        | 6        | 171        | 18   | 99      | 0.02       | 0.0               | 6.998                               | 0.063 | 0    | 0          | 0            | 42        |
| PL.15567     | PL.37957    | A   | 4ACSR              | 14.64Y    | 122.0        | 0.00            | 4.03                     | 11.76        | 6        | 171        | 18   | 99      | 0.00       | 0.0               | 7.008                               | 0.010 | 0    | 0          | 0            | 42        |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PD.3117      | PL.15567    | A   | 50V4E              | 14.64Y    | 122.0        | 0.00            | 4.03   | 11.76        | 0        | 171        | 18   | 99      | 0.00       | 0.0               | 7.008                               | 0.000 | 0    | 0          | 0            | 42        |
| PL.15566     | PD.3117     | A   | 4ACSR              | 14.64Y    | 122.0        | 0.01            | 4.03   | 11.76        | 6        | 171        | 18   | 99      | 0.01       | 0.0               | 7.035                               | 0.028 | 0    | 0          | 0            | 42        |
| 427904       | PL.15566    | A   | Consumer           | 14.64Y    | 122.0        | 0.00            | 4.03   | 0.26         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 7.035                               | 0.000 | 4    | 0          | 1            | 1         |
| PL.6663      | PL.15566    | A   | 4ACSR              | 14.63Y    | 122.0        | 0.02            | 4.05   | 11.50        | 6        | 167        | 17   | 99      | 0.02       | 0.0               | 7.105                               | 0.069 | 0    | 0          | 0            | 41        |
| PL.26993     | PL.6663     | A   | 4ACSR              | 14.63Y    | 122.0        | 0.00            | 4.05   | 11.50        | 6        | 167        | 17   | 99      | 0.00       | 0.0               | 7.105                               | 0.000 | 0    | 0          | 0            | 41        |
| PL.26995     | PL.26993    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.03            | 4.08   | 10.39        | 5        | 151        | 16   | 99      | 0.03       | 0.0               | 7.224                               | 0.119 | 0    | 0          | 0            | 37        |
| PL.16138     | PL.26995    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.08   | 0.66         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 7.239                               | 0.015 | 0    | 0          | 0            | 2         |
| PL.16139     | PL.16138    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.08   | 0.66         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 7.331                               | 0.092 | 0    | 0          | 0            | 2         |
| 427908       | PL.16139    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.08   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.331                               | 0.000 | 0    | 0          | 0            | 0         |
| 427907       | PL.16139    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.08   | 0.28         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 7.331                               | 0.000 | 4    | 0          | 1            | 1         |
| 427923       | PL.16139    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.08   | 0.39         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 7.331                               | 0.000 | 6    | 1          | 1            | 1         |
| 427913       | PL.26995    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.08   | 0.27         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 7.224                               | 0.000 | 4    | 0          | 1            | 1         |
| PL.26994     | PL.26995    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.01            | 4.09   | 9.45         | 5        | 138        | 14   | 99      | 0.01       | 0.0               | 7.271                               | 0.047 | 0    | 0          | 0            | 34        |
| PL.14654     | PL.26994    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.01            | 4.10   | 9.45         | 5        | 138        | 14   | 99      | 0.01       | 0.0               | 7.330                               | 0.059 | 0    | 0          | 0            | 34        |
| PL.14653     | PL.14654    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.03            | 4.12   | 9.45         | 5        | 138        | 14   | 99      | 0.03       | 0.0               | 7.471                               | 0.141 | 0    | 0          | 0            | 34        |
| PL.16140     | PL.14653    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.12   | 0.33         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 7.480                               | 0.009 | 0    | 0          | 0            | 1         |
| PD.1336      | PL.16140    | A   | fuse6AMP           | 14.63Y    | 121.9        | 0.00            | 4.12   | 0.33         | 6        | 5          | 1    | 98      | 0.00       | 0.0               | 7.480                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.16141     | PD.1336     | A   | 4ACSR              | 14.62Y    | 121.9        | 0.00            | 4.13   | 0.33         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 7.584                               | 0.105 | 0    | 0          | 0            | 1         |
| PL.2348      | PL.16141    | A   | 4ACSR              | 14.62Y    | 121.9        | 0.00            | 4.13   | 0.33         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 7.695                               | 0.110 | 0    | 0          | 0            | 1         |
| 427916       | PL.2348     | A   | Consumer           | 14.62Y    | 121.9        | 0.00            | 4.13   | 0.33         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 7.695                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.14652     | PL.14653    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.04            | 4.16   | 9.12         | 5        | 133        | 14   | 99      | 0.04       | 0.0               | 7.662                               | 0.190 | 0    | 0          | 0            | 33        |
| 427918       | PL.14652    | A   | Consumer           | 14.62Y    | 121.8        | 0.00            | 4.16   | 0.34         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 7.662                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.18174     | PL.14652    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.03            | 4.19   | 8.78         | 5        | 128        | 13   | 99      | 0.03       | 0.0               | 7.820                               | 0.158 | 0    | 0          | 0            | 32        |
| PD.310-A     | PL.18174    | A   | Closed             | 14.62Y    | 121.8        | 0.00            | 4.19   | 8.78         | 0        | 128        | 13   | 99      | 0.00       | 0.0               | 7.820                               | 0.000 | 0    | 0          | 0            | 32        |
| PD.310-B     | PD.310-A    | A   | Closed             | 14.62Y    | 121.8        | 0.00            | 4.19   | 8.78         | 0        | 128        | 13   | 99      | 0.00       | 0.0               | 7.820                               | 0.000 | 0    | 0          | 0            | 32        |
| PL.18173     | PD.310-B    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.19   | 8.78         | 5        | 128        | 13   | 99      | 0.00       | 0.0               | 7.832                               | 0.012 | 0    | 0          | 0            | 32        |
| PL.16144     | PL.18173    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.19   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.851                               | 0.019 | 0    | 0          | 0            | 0         |
| PD.1328      | PL.16144    | A   | fuse6AMP           | 14.62Y    | 121.8        | 0.00            | 4.19   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.851                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.16145     | PD.1328     | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.19   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.953                               | 0.102 | 0    | 0          | 0            | 0         |
| PL.16142     | PL.18173    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.19   | 0.93         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 7.914                               | 0.082 | 0    | 0          | 0            | 2         |
| PD.1337      | PL.16142    | A   | fuse6AMP           | 14.62Y    | 121.8        | 0.00            | 4.19   | 0.93         | 16       | 13         | 1    | 100     | 0.00       | 0.0               | 7.914                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.16143     | PD.1337     | A   | 4ACSR              | 14.62Y    | 121.8        | 0.01            | 4.20   | 0.93         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 8.181                               | 0.267 | 0    | 0          | 0            | 2         |
| PL.2361      | PL.16143    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.20   | 0.93         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 8.312                               | 0.130 | 0    | 0          | 0            | 1         |
| 428918       | PL.2361     | A   | Consumer           | 14.62Y    | 121.8        | 0.00            | 4.20   | 0.93         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 8.312                               | 0.000 | 13   | 1          | 1            | 1         |
| 428917       | PL.16143    | A   | Consumer           | 14.62Y    | 121.8        | 0.00            | 4.20   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.181                               | 0.000 | 0    | 0          | 1            | 1         |
| 428916       | PL.16143    | A   | Consumer           | 14.62Y    | 121.8        | 0.00            | 4.20   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.181                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.14650     | PL.18173    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.01            | 4.21   | 7.85         | 4        | 114        | 12   | 99      | 0.01       | 0.0               | 7.918                               | 0.086 | 0    | 0          | 0            | 30        |
| 428905       | PL.14650    | A   | Consumer           | 14.62Y    | 121.8        | 0.00            | 4.21   | 1.00         | 0        | 15         | 2    | 99      | 0.00       | 0.0               | 7.918                               | 0.000 | 15   | 2          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.6660      | PL.14650    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.01            | 4.21                     | 6.85         | 4        | 100        | 10   | 100     | 0.01       | 0.0               | 7.971                               | 0.053 | 0    | 0          | 0            | 29        |
| PL.16147     | PL.6660     | A   | 4ACSR              | 14.61Y    | 121.8        | 0.00            | 4.21                     | 0.17         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 7.987                               | 0.016 | 0    | 0          | 0            | 1         |
| PD.1331      | PL.16147    | A   | fuse6AMP           | 14.61Y    | 121.8        | 0.00            | 4.21                     | 0.17         | 3        | 2          | 0    | 100     | 0.00       | 0.0               | 7.987                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.16146     | PD.1331     | A   | 4ACSR              | 14.61Y    | 121.8        | 0.00            | 4.22                     | 0.17         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 8.106                               | 0.120 | 0    | 0          | 0            | 1         |
| 428909       | PL.16146    | A   | Consumer           | 14.61Y    | 121.8        | 0.00            | 4.22                     | 0.17         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 8.106                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.14651     | PL.16146    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.00            | 4.22                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.784                               | 0.677 | 0    | 0          | 0            | 0         |
| PD.311-B     | PL.14651    | A   | Open               | 14.61Y    | 121.8        | 0.00            | 4.22                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.784                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.16148     | PL.6660     | A   | 4ACSR              | 14.61Y    | 121.8        | 0.00            | 4.22                     | 6.38         | 3        | 93         | 10   | 99      | 0.00       | 0.0               | 7.978                               | 0.007 | 0    | 0          | 0            | 26        |
| PD.312-A     | PL.16148    | A   | Closed             | 14.61Y    | 121.8        | 0.00            | 4.22                     | 6.38         | 0        | 93         | 10   | 99      | 0.00       | 0.0               | 7.978                               | 0.000 | 0    | 0          | 0            | 26        |
| PD.312-B     | PD.312-A    | A   | Closed             | 14.61Y    | 121.8        | 0.00            | 4.22                     | 6.38         | 0        | 93         | 10   | 99      | 0.00       | 0.0               | 7.978                               | 0.000 | 0    | 0          | 0            | 26        |
| PL.16149     | PD.312-B    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.01            | 4.22                     | 6.38         | 3        | 93         | 10   | 99      | 0.01       | 0.0               | 8.030                               | 0.052 | 0    | 0          | 0            | 26        |
| PL.16029     | PL.16149    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.00            | 4.22                     | 2.83         | 1        | 41         | 4    | 100     | 0.00       | 0.0               | 8.037                               | 0.006 | 0    | 0          | 0            | 14        |
| PD.1332      | PL.16029    | A   | fuse6AMP           | 14.61Y    | 121.8        | 0.00            | 4.22                     | 2.83         | 48       | 41         | 4    | 100     | 0.00       | 0.0               | 8.037                               | 0.000 | 0    | 0          | 0            | 14        |
| PL.16028     | PD.1332     | A   | 4ACSR              | 14.61Y    | 121.8        | 0.01            | 4.24                     | 2.83         | 1        | 41         | 4    | 100     | 0.00       | 0.0               | 8.284                               | 0.247 | 0    | 0          | 0            | 14        |
| PL.5166      | PL.16028    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.05            | 4.29                     | 2.83         | 1        | 41         | 4    | 100     | 0.02       | 0.0               | 9.095                               | 0.810 | 0    | 0          | 0            | 14        |
| 377202       | PL.5166     | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.095                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.26827     | PL.5166     | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.29                     | 2.38         | 1        | 35         | 4    | 99      | 0.00       | 0.0               | 9.160                               | 0.066 | 0    | 0          | 0            | 12        |
| PL.26828     | PL.26827    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.29                     | 1.89         | 1        | 27         | 3    | 99      | 0.00       | 0.0               | 9.160                               | 0.000 | 0    | 0          | 0            | 9         |
| PL.26829     | PL.26828    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.01            | 4.30                     | 1.89         | 1        | 27         | 3    | 99      | 0.00       | 0.0               | 9.349                               | 0.189 | 0    | 0          | 0            | 9         |
| PL.16035     | PL.26829    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.28         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 9.380                               | 0.031 | 0    | 0          | 0            | 4         |
| PD.1140      | PL.16035    | A   | fuse6AMP           | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.28         | 5        | 4          | 0    | 100     | 0.00       | 0.0               | 9.380                               | 0.000 | 0    | 0          | 0            | 4         |
| PL.16036     | PD.1140     | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.28         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 9.407                               | 0.027 | 0    | 0          | 0            | 4         |
| PL.5167      | PL.16036    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.28         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 9.547                               | 0.140 | 0    | 0          | 0            | 4         |
| 377208       | PL.5167     | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.10         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 9.547                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.5168      | PL.5167     | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.18         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 9.613                               | 0.066 | 0    | 0          | 0            | 3         |
| 377205       | PL.5168     | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.613                               | 0.000 | 0    | 0          | 1            | 1         |
| 377203       | PL.5168     | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.17         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 9.613                               | 0.000 | 3    | 0          | 1            | 1         |
| 377212       | PL.5168     | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.613                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.26830     | PL.26829    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.01            | 4.30                     | 1.61         | 1        | 23         | 2    | 100     | 0.00       | 0.0               | 9.533                               | 0.184 | 0    | 0          | 0            | 5         |
| PL.2024      | PL.26830    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.706                               | 0.173 | 0    | 0          | 0            | 0         |
| PL.26831     | PL.26830    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.30                     | 1.61         | 1        | 23         | 2    | 100     | 0.00       | 0.0               | 9.584                               | 0.052 | 0    | 0          | 0            | 5         |
| PL.2032      | PL.26831    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.68         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 9.713                               | 0.129 | 0    | 0          | 0            | 2         |
| 3772016      | PL.2032     | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.68         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 9.713                               | 0.000 | 10   | 1          | 1            | 1         |
| 377213       | PL.2032     | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.713                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.19594     | PL.26831    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.01            | 4.31                     | 0.93         | 0        | 14         | 1    | 100     | 0.00       | 0.0               | 9.904                               | 0.320 | 0    | 0          | 0            | 3         |
| PL.19595     | PL.19594    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.38         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 9.994                               | 0.090 | 0    | 0          | 0            | 2         |
| PL.22422     | PL.19595    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.38         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 10.083                              | 0.089 | 0    | 0          | 0            | 1         |
| 377312       | PL.22422    | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.38         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 10.083                              | 0.000 | 6    | 1          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.16037     | PL.19595    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.059                              | 0.065 | 0    | 0          | 0            | 1  |
| PD.829       | PL.16037    | A   | fuse6AMP           | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.059                              | 0.000 | 0    | 0          | 0            | 1  |
| PL.16038     | PD.829      | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.247                              | 0.188 | 0    | 0          | 0            | 1  |
| 377314       | PL.16038    | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.247                              | 0.000 | 0    | 0          | 1            | 1  |
| 377303       | PL.19594    | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.55         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 9.904                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.2022      | PL.26827    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 9.273                               | 0.113 | 0    | 0          | 0            | 3  |
| PL.2023      | PL.2022     | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 9.351                               | 0.078 | 0    | 0          | 0            | 2  |
| PL.2031      | PL.2023     | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.29                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 9.539                               | 0.187 | 0    | 0          | 0            | 2  |
| 377215       | PL.2031     | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.29                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.539                               | 0.000 | 0    | 0          | 0            | 0  |
| 377211       | PL.2031     | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.29                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.539                               | 0.000 | 0    | 0          | 1            | 1  |
| 377210       | PL.2031     | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.29                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 9.539                               | 0.000 | 7    | 1          | 1            | 1  |
| 377207       | PL.2022     | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.273                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.16034     | PL.5166     | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 9.137                               | 0.043 | 0    | 0          | 0            | 2  |
| PD.242-A     | PL.16034    | A   | Closed             | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 9.137                               | 0.000 | 0    | 0          | 0            | 2  |
| PD.242-B     | PD.242-A    | A   | Closed             | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 9.137                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.19965     | PD.242-B    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 9.208                               | 0.071 | 0    | 0          | 0            | 2  |
| PL.19966     | PL.19965    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 9.324                               | 0.116 | 0    | 0          | 0            | 1  |
| PL.2037      | PL.19966    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 9.466                               | 0.143 | 0    | 0          | 0            | 1  |
| 377214       | PL.2037     | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 9.466                               | 0.000 | 5    | 1          | 1            | 1  |
| 377209       | PL.19965    | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.11         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.208                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.22713     | PL.16149    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.00            | 4.22                     | 3.55         | 2        | 52         | 5       | 100        | 0.00      | 0.0               | 8.039                               | 0.009 | 0    | 0          | 0            | 12 |
| PD.3513      | PL.22713    | A   | 25V4E              | 14.61Y    | 121.8        | 0.00            | 4.22                     | 3.55         | 14       | 52         | 5       | 100        | 0.00      | 0.0               | 8.039                               | 0.000 | 0    | 0          | 0            | 12 |
| PL.22714     | PD.3513     | A   | 4ACSR              | 14.61Y    | 121.8        | 0.01            | 4.24                     | 3.55         | 2        | 52         | 5       | 100        | 0.00      | 0.0               | 8.195                               | 0.156 | 0    | 0          | 0            | 12 |
| PL.5092      | PL.22714    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.01            | 4.24                     | 3.55         | 2        | 52         | 5       | 100        | 0.00      | 0.0               | 8.298                               | 0.102 | 0    | 0          | 0            | 12 |
| PL.5093      | PL.5092     | A   | 4ACSR              | 14.61Y    | 121.7        | 0.02            | 4.26                     | 3.06         | 2        | 44         | 5       | 99         | 0.01      | 0.0               | 8.612                               | 0.315 | 0    | 0          | 0            | 10 |
| PL.39288     | PL.5093     | A   | 2ACSR              | 14.61Y    | 121.7        | 0.00            | 4.26                     | 0.69         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 8.673                               | 0.061 | 0    | 0          | 0            | 1  |
| 3782018      | PL.39288    | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.26                     | 0.69         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 8.673                               | 0.000 | 10   | 1          | 1            | 1  |
| 378213       | PL.5093     | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.26                     | 0.52         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 8.612                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.5091      | PL.5093     | A   | 4ACSR              | 14.61Y    | 121.7        | 0.01            | 4.27                     | 1.85         | 1        | 27         | 3       | 99         | 0.00      | 0.0               | 8.793                               | 0.180 | 0    | 0          | 0            | 8  |
| PL.14415     | PL.5091     | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.27                     | 1.18         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 8.853                               | 0.060 | 0    | 0          | 0            | 5  |
| PL.14655     | PL.14415    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.30         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 8.862                               | 0.009 | 0    | 0          | 0            | 3  |
| PD.1138      | PL.14655    | A   | fuse6AMP           | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.30         | 5        | 4          | 0       | 100        | 0.00      | 0.0               | 8.862                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.13087     | PD.1138     | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.30         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 8.979                               | 0.117 | 0    | 0          | 0            | 3  |
| PL.2027      | PL.13087    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.15         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.027                               | 0.048 | 0    | 0          | 0            | 1  |
| 378215       | PL.2027     | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.15         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.027                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.13088     | PL.13087    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.061                               | 0.082 | 0    | 0          | 0            | 2  |
| PL.2020      | PL.13088    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.210                               | 0.149 | 0    | 0          | 0            | 1  |
| 378212       | PL.2020     | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.210                               | 0.000 | 0    | 0          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 378203       | PL.13088    | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.15         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.061                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.14416     | PL.14415    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.88         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 8.948                               | 0.095 | 0    | 0          | 0            | 2  |
| PL.14656     | PL.14416    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.955                               | 0.007 | 0    | 0          | 0            | 0  |
| PD.1139      | PL.14656    | A   | fuse6AMP           | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.955                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.13086     | PD.1139     | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.150                               | 0.195 | 0    | 0          | 0            | 0  |
| PL.2021      | PL.13086    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.213                               | 0.063 | 0    | 0          | 0            | 0  |
| PL.15564     | PL.14416    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.88         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 9.036                               | 0.088 | 0    | 0          | 0            | 2  |
| PD.240-A     | PL.15564    | A   | Closed             | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.88         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 9.036                               | 0.000 | 0    | 0          | 0            | 2  |
| PD.240-B     | PD.240-A    | A   | Closed             | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.88         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 9.036                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.15565     | PD.240-B    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.28                     | 0.88         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 9.205                               | 0.169 | 0    | 0          | 0            | 2  |
| 378207       | PL.15565    | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.28                     | 0.33         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 9.205                               | 0.000 | 5    | 0          | 1            | 1  |
| PL.19985     | PL.15565    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.28                     | 0.55         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 9.379                               | 0.175 | 0    | 0          | 0            | 1  |
| PL.19986     | PL.19985    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.540                               | 0.161 | 0    | 0          | 0            | 0  |
| PD.6708-A    | PL.19986    | A   | Open               | 14.61Y    | 121.7        | 0.00            | 4.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.540                               | 0.000 | 0    | 0          | 0            | 0  |
| 378208       | PL.19985    | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.28                     | 0.55         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 9.379                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.2033      | PL.5091     | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.32         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 9.063                               | 0.271 | 0    | 0          | 0            | 1  |
| 378217       | PL.2033     | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.32         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 9.063                               | 0.000 | 5    | 0          | 1            | 1  |
| 378202       | PL.5091     | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.793                               | 0.000 | 0    | 0          | 1            | 1  |
| 378216       | PL.5091     | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.35         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 8.793                               | 0.000 | 5    | 1          | 1            | 1  |
| 378201       | PL.5092     | A   | Consumer           | 14.61Y    | 121.8        | 0.00            | 4.24                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 8.298                               | 0.000 | 7    | 1          | 1            | 1  |
| 378214       | PL.5092     | A   | Consumer           | 14.61Y    | 121.8        | 0.00            | 4.24                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.298                               | 0.000 | 0    | 0          | 1            | 1  |
| 428906       | PL.6660     | A   | Consumer           | 14.61Y    | 121.8        | 0.00            | 4.21                     | 0.13         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 7.971                               | 0.000 | 2    | 0          | 1            | 1  |
| 428910       | PL.6660     | A   | Consumer           | 14.61Y    | 121.8        | 0.00            | 4.21                     | 0.18         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 7.971                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.16136     | PL.14654    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.10                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.338                               | 0.008 | 0    | 0          | 0            | 0  |
| PD.1335      | PL.16136    | A   | fuse6AMP           | 14.63Y    | 121.9        | 0.00            | 4.10                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.338                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.16137     | PD.1335     | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.10                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.407                               | 0.069 | 0    | 0          | 0            | 0  |
| 427905       | PL.26994    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.09                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.271                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.16134     | PL.26993    | A   | 4ACSR              | 14.63Y    | 122.0        | 0.00            | 4.05                     | 1.11         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 7.119                               | 0.014 | 0    | 0          | 0            | 4  |
| PD.1333      | PL.16134    | A   | fuse6AMP           | 14.63Y    | 122.0        | 0.00            | 4.05                     | 1.11         | 19       | 16         | 2       | 99         | 0.00      | 0.0               | 7.119                               | 0.000 | 0    | 0          | 0            | 4  |
| PL.16135     | PD.1333     | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.05                     | 1.11         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 7.134                               | 0.014 | 0    | 0          | 0            | 4  |
| 427919       | PL.16135    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.05                     | 0.51         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 7.134                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.19983     | PL.16135    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.05                     | 0.60         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 7.178                               | 0.044 | 0    | 0          | 0            | 3  |
| PL.19984     | PL.19983    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.06                     | 0.60         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 7.515                               | 0.337 | 0    | 0          | 0            | 2  |
| 427922       | PL.19984    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.06                     | 0.27         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 7.515                               | 0.000 | 4    | 0          | 1            | 1  |
| 427921       | PL.19984    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.06                     | 0.33         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 7.515                               | 0.000 | 5    | 0          | 1            | 1  |
| 427914       | PL.19983    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.05                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.178                               | 0.000 | 0    | 0          | 1            | 1  |
| 427917       | PL.26993    | A   | Consumer           | 14.63Y    | 122.0        | 0.00            | 4.05                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.105                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.16127     | PL.26985    | A   | 4ACSR              | 14.64Y    | 122.0        | 0.01            | 3.96                     | 17.29        | 9        | 251        | 31      | 99         | 0.03      | 0.0               | 6.753                               | 0.039 | 0    | 0          | 0            | 45 |



Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |           |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|-----------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>% | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PD.300-A     | PL.16127    | A   | Closed             | 14.64Y    | 122.0        | 0.00            | 3.96                     | 17.29     | 0        | 251        | 31   | 99      | 0.00       | 0.0               | 6.753                               | 0.000 | 0    | 0          | 0            | 45        |
| PD.300-B     | PD.300-A    | A   | Closed             | 14.64Y    | 122.0        | 0.00            | 3.96                     | 17.29     | 0        | 251        | 31   | 99      | 0.00       | 0.0               | 6.753                               | 0.000 | 0    | 0          | 0            | 45        |
| PL.16126     | PD.300-B    | A   | 4ACSR              | 14.64Y    | 122.0        | 0.01            | 3.97                     | 17.29     | 9        | 251        | 31   | 99      | 0.02       | 0.0               | 6.775                               | 0.022 | 0    | 0          | 0            | 45        |
| PL.33784     | PL.16126    | A   | 4ACSR              | 14.64Y    | 122.0        | 0.00            | 3.97                     | 1.96      | 1        | 28         | 8    | 96      | 0.00       | 0.0               | 6.791                               | 0.015 | 0    | 0          | 0            | 5         |
| PD.4038      | PL.33784    | A   | fuse6AMP           | 14.64Y    | 122.0        | 0.00            | 3.97                     | 1.96      | 33       | 28         | 8    | 96      | 0.00       | 0.0               | 6.791                               | 0.000 | 0    | 0          | 0            | 5         |
| PL.33785     | PD.4038     | A   | 4ACSR              | 14.64Y    | 122.0        | 0.00            | 3.97                     | 1.96      | 1        | 28         | 8    | 96      | 0.00       | 0.0               | 6.846                               | 0.055 | 0    | 0          | 0            | 5         |
| 426915       | PL.33785    | A   | Consumer           | 14.64Y    | 122.0        | 0.00            | 3.97                     | 0.15      | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 6.846                               | 0.000 | 2    | 0          | 1            | 1         |
| 426914       | PL.33785    | A   | Consumer           | 14.64Y    | 122.0        | 0.00            | 3.97                     | 0.97      | 0        | 13         | 6    | 91      | 0.00       | 0.0               | 6.846                               | 0.000 | 13   | 6          | 1            | 1         |
| 426935       | PL.33785    | A   | Consumer           | 14.64Y    | 122.0        | 0.00            | 3.97                     | 0.17      | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 6.846                               | 0.000 | 3    | 0          | 1            | 1         |
| 426930       | PL.33785    | A   | Consumer           | 14.64Y    | 122.0        | 0.00            | 3.97                     | 0.66      | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 6.846                               | 0.000 | 10   | 1          | 1            | 1         |
| 426948       | PL.33785    | A   | Consumer           | 14.64Y    | 122.0        | 0.00            | 3.97                     | 0.03      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.846                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.26996     | PL.16126    | A   | 4ACSR              | 14.64Y    | 122.0        | 0.05            | 4.02                     | 15.35     | 8        | 224        | 23   | 99      | 0.09       | 0.0               | 6.939                               | 0.164 | 0    | 0          | 0            | 40        |
| 426916       | PL.26996    | A   | Consumer           | 14.64Y    | 122.0        | 0.00            | 4.02                     | 0.17      | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 6.939                               | 0.000 | 2    | 0          | 1            | 1         |
| 426902       | PL.26996    | A   | Consumer           | 14.64Y    | 122.0        | 0.00            | 4.02                     | 0.16      | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 6.939                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.43475     | PL.26996    | A   | 4ACSR              | 14.64Y    | 122.0        | 0.00            | 4.02                     | 0.48      | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 6.946                               | 0.007 | 0    | 0          | 0            | 2         |
| PD.8269      | PL.43475    | A   | fuse6AMP           | 14.64Y    | 122.0        | 0.00            | 4.02                     | 0.48      | 8        | 7          | 1    | 99      | 0.00       | 0.0               | 6.946                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.43476     | PD.8269     | A   | 4ACSR              | 14.64Y    | 122.0        | 0.00            | 4.03                     | 0.48      | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 7.080                               | 0.134 | 0    | 0          | 0            | 2         |
| 426927       | PL.43476    | A   | Consumer           | 14.64Y    | 122.0        | 0.00            | 4.03                     | 0.45      | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 7.080                               | 0.000 | 6    | 1          | 1            | 1         |
| 426920       | PL.43476    | A   | Consumer           | 14.64Y    | 122.0        | 0.00            | 4.03                     | 0.03      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.080                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.28013     | PL.26996    | A   | 4ACSR              | 14.63Y    | 122.0        | 0.02            | 4.04                     | 14.54     | 7        | 212        | 22   | 99      | 0.03       | 0.0               | 7.006                               | 0.067 | 0    | 0          | 0            | 36        |
| PL.28012     | PL.28013    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.02            | 4.06                     | 14.06     | 7        | 205        | 21   | 99      | 0.03       | 0.0               | 7.074                               | 0.068 | 0    | 0          | 0            | 35        |
| PL.16133     | PL.28012    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.07                     | 13.21     | 7        | 192        | 20   | 99      | 0.01       | 0.0               | 7.089                               | 0.015 | 0    | 0          | 0            | 34        |
| PD.3112      | PL.16133    | A   | 25V4E              | 14.63Y    | 121.9        | 0.00            | 4.07                     | 13.21     | 53       | 192        | 20   | 99      | 0.00       | 0.0               | 7.089                               | 0.000 | 0    | 0          | 0            | 34        |
| PL.16132     | PD.3112     | A   | 4ACSR              | 14.63Y    | 121.9        | 0.02            | 4.09                     | 13.21     | 7        | 192        | 20   | 99      | 0.03       | 0.0               | 7.171                               | 0.081 | 0    | 0          | 0            | 34        |
| PL.33790     | PL.16132    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.09                     | 1.41      | 1        | 20         | 2    | 100     | 0.00       | 0.0               | 7.180                               | 0.009 | 0    | 0          | 0            | 4         |
| PD.4041      | PL.33790    | A   | fuse6AMP           | 14.63Y    | 121.9        | 0.00            | 4.09                     | 1.41      | 24       | 20         | 2    | 100     | 0.00       | 0.0               | 7.180                               | 0.000 | 0    | 0          | 0            | 4         |
| PL.33791     | PD.4041     | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.09                     | 1.41      | 1        | 20         | 2    | 100     | 0.00       | 0.0               | 7.278                               | 0.098 | 0    | 0          | 0            | 4         |
| 426934       | PL.33791    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.09                     | 0.68      | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 7.278                               | 0.000 | 10   | 1          | 1            | 1         |
| 426943       | PL.33791    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.09                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.278                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.19967     | PL.33791    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.10                     | 0.73      | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 7.311                               | 0.033 | 0    | 0          | 0            | 2         |
| PL.19968     | PL.19967    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.10                     | 0.17      | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 7.334                               | 0.023 | 0    | 0          | 0            | 1         |
| 426937       | PL.19968    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.10                     | 0.17      | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 7.334                               | 0.000 | 2    | 0          | 1            | 1         |
| 426931       | PL.19967    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.10                     | 0.56      | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 7.311                               | 0.000 | 8    | 1          | 1            | 1         |
| PL.26997     | PL.16132    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.03            | 4.12                     | 11.80     | 6        | 172        | 18   | 99      | 0.04       | 0.0               | 7.291                               | 0.121 | 0    | 0          | 0            | 30        |
| PL.33794     | PL.26997    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.12                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.301                               | 0.010 | 0    | 0          | 0            | 0         |
| PD.4043      | PL.33794    | A   | fuse6AMP           | 14.63Y    | 121.9        | 0.00            | 4.12                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.301                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.33795     | PD.4043     | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.12                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.348                               | 0.047 | 0    | 0          | 0            | 0         |
| 426942       | PL.33795    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.12                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.348                               | 0.000 | 0    | 0          | 0            | 0         |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.26998     | PL.26997    | A   | 4ACSR              | 14.62Y    | 121.9        | 0.01            | 4.13                     | 11.23        | 6        | 163        | 17   | 99      | 0.02       | 0.0               | 7.348                               | 0.056 | 0    | 0          | 0            | 29        |
| PL.26999     | PL.26998    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.03            | 4.17                     | 10.73        | 6        | 156        | 16   | 99      | 0.04       | 0.0               | 7.495                               | 0.147 | 0    | 0          | 0            | 27        |
| PL.27003     | PL.26999    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.01            | 4.18                     | 9.04         | 5        | 132        | 14   | 99      | 0.01       | 0.0               | 7.543                               | 0.048 | 0    | 0          | 0            | 24        |
| 426912       | PL.27003    | A   | Consumer           | 14.62Y    | 121.8        | 0.00            | 4.18                     | 0.70         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 7.543                               | 0.000 | 10   | 1          | 1            | 1         |
| PL.33800     | PL.27003    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.18                     | 1.48         | 1        | 22         | 2    | 100     | 0.00       | 0.0               | 7.557                               | 0.015 | 0    | 0          | 0            | 3         |
| PD.4046      | PL.33800    | A   | fuse6AMP           | 14.62Y    | 121.8        | 0.00            | 4.18                     | 1.48         | 25       | 22         | 2    | 100     | 0.00       | 0.0               | 7.557                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.33801     | PD.4046     | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.18                     | 1.48         | 1        | 22         | 2    | 100     | 0.00       | 0.0               | 7.684                               | 0.127 | 0    | 0          | 0            | 3         |
| 426910       | PL.33801    | A   | Consumer           | 14.62Y    | 121.8        | 0.00            | 4.18                     | 1.09         | 0        | 16         | 2    | 99      | 0.00       | 0.0               | 7.684                               | 0.000 | 16   | 2          | 1            | 1         |
| 426928       | PL.33801    | A   | Consumer           | 14.62Y    | 121.8        | 0.00            | 4.18                     | 0.31         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 7.684                               | 0.000 | 4    | 0          | 1            | 1         |
| 426909       | PL.33801    | A   | Consumer           | 14.62Y    | 121.8        | 0.00            | 4.18                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 7.684                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.27002     | PL.27003    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.18                     | 6.86         | 4        | 100        | 10   | 100     | 0.00       | 0.0               | 7.543                               | 0.000 | 0    | 0          | 0            | 20        |
| PL.27001     | PL.27002    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.01            | 4.19                     | 6.86         | 4        | 100        | 10   | 100     | 0.01       | 0.0               | 7.600                               | 0.057 | 0    | 0          | 0            | 20        |
| PL.27000     | PL.27001    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.02            | 4.20                     | 6.86         | 4        | 100        | 10   | 100     | 0.01       | 0.0               | 7.711                               | 0.112 | 0    | 0          | 0            | 20        |
| PL.27004     | PL.27000    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.01            | 4.21                     | 6.86         | 4        | 100        | 10   | 100     | 0.00       | 0.0               | 7.754                               | 0.043 | 0    | 0          | 0            | 20        |
| PL.33802     | PL.27004    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.21                     | 0.79         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 7.760                               | 0.005 | 0    | 0          | 0            | 4         |
| PD.4047      | PL.33802    | A   | fuse6AMP           | 14.62Y    | 121.8        | 0.00            | 4.21                     | 0.79         | 13       | 11         | 1    | 100     | 0.00       | 0.0               | 7.760                               | 0.000 | 0    | 0          | 0            | 4         |
| PL.33805     | PD.4047     | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.21                     | 0.79         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 7.761                               | 0.001 | 0    | 0          | 0            | 4         |
| PL.33806     | PL.33805    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.00            | 4.21                     | 0.43         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 7.889                               | 0.128 | 0    | 0          | 0            | 3         |
| 376216       | PL.33806    | A   | Consumer           | 14.61Y    | 121.8        | 0.00            | 4.21                     | 0.08         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 7.889                               | 0.000 | 1    | 0          | 1            | 1         |
| 376204       | PL.33806    | A   | Consumer           | 14.61Y    | 121.8        | 0.00            | 4.21                     | 0.27         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 7.889                               | 0.000 | 4    | 0          | 1            | 1         |
| PL.19735     | PL.33806    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.00            | 4.21                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 7.991                               | 0.101 | 0    | 0          | 0            | 1         |
| PL.8577      | PL.19735    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.00            | 4.21                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 8.149                               | 0.159 | 0    | 0          | 0            | 1         |
| 376217       | PL.8577     | A   | Consumer           | 14.61Y    | 121.8        | 0.00            | 4.21                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 8.149                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.33804     | PL.33805    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.00            | 4.21                     | 0.35         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 7.827                               | 0.066 | 0    | 0          | 0            | 1         |
| 376222       | PL.33804    | A   | Consumer           | 14.61Y    | 121.8        | 0.00            | 4.21                     | 0.35         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 7.827                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.27005     | PL.27004    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.01            | 4.22                     | 6.07         | 3        | 88         | 9    | 99      | 0.01       | 0.0               | 7.847                               | 0.092 | 0    | 0          | 0            | 16        |
| 376202       | PL.27005    | A   | Consumer           | 14.61Y    | 121.8        | 0.00            | 4.22                     | 0.44         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 7.847                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.27006     | PL.27005    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.02            | 4.24                     | 5.63         | 3        | 82         | 9    | 99      | 0.01       | 0.0               | 8.003                               | 0.156 | 0    | 0          | 0            | 15        |
| PL.16030     | PL.27006    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.01            | 4.24                     | 5.63         | 3        | 82         | 8    | 100     | 0.00       | 0.0               | 8.057                               | 0.054 | 0    | 0          | 0            | 15        |
| PD.239-A     | PL.16030    | A   | Closed             | 14.61Y    | 121.8        | 0.00            | 4.24                     | 5.63         | 0        | 82         | 8    | 100     | 0.00       | 0.0               | 8.057                               | 0.000 | 0    | 0          | 0            | 15        |
| PD.239-B     | PD.239-A    | A   | Closed             | 14.61Y    | 121.8        | 0.00            | 4.24                     | 5.63         | 0        | 82         | 8    | 100     | 0.00       | 0.0               | 8.057                               | 0.000 | 0    | 0          | 0            | 15        |
| PL.16031     | PD.239-B    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.00            | 4.25                     | 5.63         | 3        | 82         | 8    | 100     | 0.00       | 0.0               | 8.068                               | 0.011 | 0    | 0          | 0            | 15        |
| PL.4504      | PL.16031    | A   | 4ACSR              | 14.61Y    | 121.8        | 0.00            | 4.25                     | 5.42         | 3        | 79         | 8    | 99      | 0.00       | 0.0               | 8.097                               | 0.029 | 0    | 0          | 0            | 14        |
| PL.33807     | PL.4504     | A   | 4ACSR              | 14.61Y    | 121.8        | 0.00            | 4.25                     | 0.19         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 8.105                               | 0.008 | 0    | 0          | 0            | 1         |
| PD.4048      | PL.33807    | A   | fuse6AMP           | 14.61Y    | 121.8        | 0.00            | 4.25                     | 0.19         | 3        | 3          | 0    | 100     | 0.00       | 0.0               | 8.105                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.33808     | PD.4048     | A   | 4ACSR              | 14.61Y    | 121.8        | 0.00            | 4.25                     | 0.19         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 8.229                               | 0.124 | 0    | 0          | 0            | 1         |
| PL.2011      | PL.33808    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.25                     | 0.19         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 8.379                               | 0.150 | 0    | 0          | 0            | 1         |
| 376220       | PL.2011     | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.25                     | 0.19         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 8.379                               | 0.000 | 3    | 0          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.27007     | PL.4504     | A   | 4ACSR              | 14.61Y    | 121.7        | 0.03            | 4.28                     | 5.23         | 3        | 76         | 8       | 99         | 0.02      | 0.0               | 8.334                               | 0.237 | 0    | 0          | 0            | 13 |
| PL.33809     | PL.27007    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.28                     | 0.55         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 8.344                               | 0.010 | 0    | 0          | 0            | 2  |
| PD.4049      | PL.33809    | A   | fuse6AMP           | 14.61Y    | 121.7        | 0.00            | 4.28                     | 0.55         | 9        | 8          | 1       | 99         | 0.00      | 0.0               | 8.344                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.33810     | PD.4049     | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.28                     | 0.55         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 8.455                               | 0.111 | 0    | 0          | 0            | 2  |
| PL.33962     | PL.33810    | A   | 2ACSR              | 14.61Y    | 121.7        | 0.00            | 4.28                     | 0.06         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 8.490                               | 0.035 | 0    | 0          | 0            | 1  |
| 3762027      | PL.33962    | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.28                     | 0.06         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 8.490                               | 0.000 | 1    | 0          | 1            | 1  |
| 376226       | PL.33810    | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.28                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 8.455                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.27008     | PL.27007    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.01            | 4.29                     | 4.68         | 2        | 68         | 7       | 99         | 0.01      | 0.0               | 8.446                               | 0.112 | 0    | 0          | 0            | 11 |
| PL.27009     | PL.27008    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.01            | 4.30                     | 4.18         | 2        | 61         | 6       | 100        | 0.01      | 0.0               | 8.588                               | 0.142 | 0    | 0          | 0            | 10 |
| PL.33813     | PL.27009    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.59         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 8.599                               | 0.011 | 0    | 0          | 0            | 1  |
| PD.4051      | PL.33813    | A   | fuse6AMP           | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.59         | 10       | 9          | 1       | 99         | 0.00      | 0.0               | 8.599                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.33814     | PD.4051     | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.59         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 8.698                               | 0.099 | 0    | 0          | 0            | 1  |
| 376225       | PL.33814    | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.59         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 8.698                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.27010     | PL.27009    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.01            | 4.31                     | 3.59         | 2        | 52         | 5       | 100        | 0.00      | 0.0               | 8.728                               | 0.140 | 0    | 0          | 0            | 8  |
| PL.27011     | PL.27010    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.31                     | 2.98         | 2        | 43         | 4       | 100        | 0.00      | 0.0               | 8.734                               | 0.007 | 0    | 0          | 0            | 7  |
| PL.27013     | PL.27011    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.01            | 4.32                     | 2.98         | 2        | 43         | 4       | 100        | 0.00      | 0.0               | 8.931                               | 0.197 | 0    | 0          | 0            | 7  |
| PL.27014     | PL.27013    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.32                     | 1.81         | 1        | 26         | 3       | 99         | 0.00      | 0.0               | 8.931                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.27012     | PL.27014    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.33                     | 1.81         | 1        | 26         | 3       | 99         | 0.00      | 0.0               | 9.022                               | 0.091 | 0    | 0          | 0            | 3  |
| PL.2015      | PL.27012    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.33                     | 0.73         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 9.112                               | 0.090 | 0    | 0          | 0            | 1  |
| 376301       | PL.2015     | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.33                     | 0.73         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 9.112                               | 0.000 | 11   | 1          | 1            | 1  |
| 376304       | PL.27012    | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.33                     | 0.54         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 9.022                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.16032     | PL.27012    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.33                     | 0.54         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 9.192                               | 0.170 | 0    | 0          | 0            | 1  |
| 376303       | PL.16032    | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.33                     | 0.54         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 9.192                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.16033     | PL.16032    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.33                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.192                               | 0.000 | 0    | 0          | 0            | 0  |
| 376302       | PL.27013    | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.32                     | 0.11         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.931                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.33819     | PL.27013    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.32                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 8.939                               | 0.008 | 0    | 0          | 0            | 1  |
| PD.4054      | PL.33819    | A   | fuse6AMP           | 14.60Y    | 121.7        | 0.00            | 4.32                     | 0.61         | 10       | 9          | 1       | 99         | 0.00      | 0.0               | 8.939                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.33822     | PD.4054     | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.32                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 8.942                               | 0.004 | 0    | 0          | 0            | 1  |
| PL.33823     | PL.33822    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.32                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 9.058                               | 0.115 | 0    | 0          | 0            | 1  |
| 376306       | PL.33823    | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.32                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 9.058                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.33817     | PL.27013    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.32                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 8.944                               | 0.013 | 0    | 0          | 0            | 2  |
| PD.4053      | PL.33817    | A   | fuse6AMP           | 14.60Y    | 121.7        | 0.00            | 4.32                     | 0.45         | 8        | 7          | 1       | 99         | 0.00      | 0.0               | 8.944                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.33818     | PD.4053     | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.32                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 8.992                               | 0.048 | 0    | 0          | 0            | 2  |
| PL.5088      | PL.33818    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.32                     | 0.17         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.045                               | 0.053 | 0    | 0          | 0            | 1  |
| 376211       | PL.5088     | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.32                     | 0.17         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.045                               | 0.000 | 2    | 0          | 1            | 1  |
| 376223       | PL.33818    | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.32                     | 0.29         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 8.992                               | 0.000 | 4    | 0          | 1            | 1  |
| PL.33815     | PL.27010    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 8.737                               | 0.009 | 0    | 0          | 0            | 1  |
| PD.4052      | PL.33815    | A   | fuse6AMP           | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.61         | 11       | 9          | 1       | 99         | 0.00      | 0.0               | 8.737                               | 0.000 | 0    | 0          | 0            | 1  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.33816     | PD.4052     | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 8.787                               | 0.050 | 0    | 0          | 0            | 1 |
| PL.5085      | PL.33816    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 8.830                               | 0.043 | 0    | 0          | 0            | 1 |
| PL.5086      | PL.5085     | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.893                               | 0.064 | 0    | 0          | 0            | 0 |
| 376207       | PL.5085     | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.31                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 8.830                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.2009      | PL.27009    | A   | 4ACSR              | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.962                               | 0.374 | 0    | 0          | 0            | 0 |
| 376208       | PL.27009    | A   | Consumer           | 14.60Y    | 121.7        | 0.00            | 4.30                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.588                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.33811     | PL.27008    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.50         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 8.455                               | 0.009 | 0    | 0          | 0            | 1 |
| PL.33812     | PL.33811    | A   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.50         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 8.606                               | 0.151 | 0    | 0          | 0            | 1 |
| 376218       | PL.33812    | A   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.29                     | 0.50         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 8.606                               | 0.000 | 7    | 1          | 1            | 1 |
| 376215       | PL.16031    | A   | Consumer           | 14.61Y    | 121.8        | 0.00            | 4.25                     | 0.21         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 8.068                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.2319      | PL.27001    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.19                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.633                               | 0.033 | 0    | 0          | 0            | 0 |
| 426924       | PL.2319     | A   | Consumer           | 14.62Y    | 121.8        | 0.00            | 4.19                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.633                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.33798     | PL.26999    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.17                     | 1.69         | 1        | 25         | 3       | 99         | 0.00      | 0.0               | 7.502                               | 0.007 | 0    | 0          | 0            | 3 |
| PD.4045      | PL.33798    | A   | fuse6AMP           | 14.62Y    | 121.8        | 0.00            | 4.17                     | 1.69         | 29       | 25         | 3       | 99         | 0.00      | 0.0               | 7.502                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.33799     | PD.4045     | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.17                     | 1.69         | 1        | 25         | 3       | 99         | 0.00      | 0.0               | 7.600                               | 0.098 | 0    | 0          | 0            | 3 |
| PL.1855      | PL.33799    | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.17                     | 1.07         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 7.692                               | 0.092 | 0    | 0          | 0            | 2 |
| PL.2318      | PL.1855     | A   | 4ACSR              | 14.62Y    | 121.8        | 0.00            | 4.17                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 7.718                               | 0.026 | 0    | 0          | 0            | 1 |
| 426946       | PL.2318     | A   | Consumer           | 14.62Y    | 121.8        | 0.00            | 4.17                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 7.718                               | 0.000 | 8    | 1          | 1            | 1 |
| 426939       | PL.1855     | A   | Consumer           | 14.62Y    | 121.8        | 0.00            | 4.17                     | 0.54         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 7.692                               | 0.000 | 8    | 1          | 1            | 1 |
| 426918       | PL.33799    | A   | Consumer           | 14.62Y    | 121.8        | 0.00            | 4.17                     | 0.62         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 7.600                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.33796     | PL.26998    | A   | 4ACSR              | 14.62Y    | 121.9        | 0.00            | 4.13                     | 0.50         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 7.355                               | 0.007 | 0    | 0          | 0            | 2 |
| PD.4044      | PL.33796    | A   | fuse6AMP           | 14.62Y    | 121.9        | 0.00            | 4.13                     | 0.50         | 8        | 7          | 1       | 99         | 0.00      | 0.0               | 7.355                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.33797     | PD.4044     | A   | 4ACSR              | 14.62Y    | 121.9        | 0.00            | 4.14                     | 0.50         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 7.419                               | 0.064 | 0    | 0          | 0            | 2 |
| 426923       | PL.33797    | A   | Consumer           | 14.62Y    | 121.9        | 0.00            | 4.14                     | 0.26         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 7.419                               | 0.000 | 4    | 0          | 1            | 1 |
| 426926       | PL.33797    | A   | Consumer           | 14.62Y    | 121.9        | 0.00            | 4.14                     | 0.24         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 7.419                               | 0.000 | 3    | 0          | 1            | 1 |
| 426941       | PL.26997    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.12                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.291                               | 0.000 | 0    | 0          | 0            | 0 |
| 426913       | PL.26997    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.12                     | 0.57         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 7.291                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.33825     | PL.28012    | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.06                     | 0.86         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 7.082                               | 0.008 | 0    | 0          | 0            | 1 |
| PD.4055      | PL.33825    | A   | fuse6AMP           | 14.63Y    | 121.9        | 0.00            | 4.06                     | 0.86         | 15       | 12         | 1       | 100        | 0.00      | 0.0               | 7.082                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.33826     | PD.4055     | A   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.07                     | 0.86         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 7.136                               | 0.054 | 0    | 0          | 0            | 1 |
| 426936       | PL.33826    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.07                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.136                               | 0.000 | 0    | 0          | 0            | 0 |
| 4269049      | PL.33826    | A   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.07                     | 0.86         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 7.136                               | 0.000 | 12   | 1          | 1            | 1 |
| 426932       | PL.28013    | A   | Consumer           | 14.63Y    | 122.0        | 0.00            | 4.04                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.006                               | 0.000 | 0    | 0          | 0            | 0 |
| 426933       | PL.28013    | A   | Consumer           | 14.63Y    | 122.0        | 0.00            | 4.04                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 7.006                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.16128     | PL.26985    | A   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.95                     | 0.85         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 6.738                               | 0.025 | 0    | 0          | 0            | 3 |
| PD.1294      | PL.16128    | A   | fuse6AMP           | 14.65Y    | 122.1        | 0.00            | 3.95                     | 0.85         | 14       | 12         | 1       | 100        | 0.00      | 0.0               | 6.738                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.16129     | PD.1294     | A   | 4ACSR              | 14.65Y    | 122.0        | 0.00            | 3.95                     | 0.85         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 6.813                               | 0.075 | 0    | 0          | 0            | 3 |
| 4269050      | PL.16129    | A   | Consumer           | 14.65Y    | 122.0        | 0.00            | 3.95                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.813                               | 0.000 | 0    | 0          | 0            | 0 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 426905       | PL.16129    | A   | Consumer           | 14.65Y    | 122.0        | 0.00            | 3.95                     | 0.36         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 6.813                               | 0.000 | 5    | 1          | 1            | 1         |
| 426938       | PL.16129    | A   | Consumer           | 14.65Y    | 122.0        | 0.00            | 3.95                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.813                               | 0.000 | 0    | 0          | 1            | 1         |
| 426947       | PL.16129    | A   | Consumer           | 14.65Y    | 122.0        | 0.00            | 3.95                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.813                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.24546     | PL.16129    | A   | 4ACSR              | 14.65Y    | 122.0        | 0.00            | 3.95                     | 0.49         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 6.915                               | 0.102 | 0    | 0          | 0            | 1         |
| 426944       | PL.24546    | A   | Consumer           | 14.65Y    | 122.0        | 0.00            | 3.95                     | 0.49         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 6.915                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.2306      | PL.26985    | A   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.95                     | 0.36         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 6.825                               | 0.112 | 0    | 0          | 0            | 1         |
| PL.2349      | PL.2306     | A   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.95                     | 0.36         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 6.903                               | 0.078 | 0    | 0          | 0            | 1         |
| 427903       | PL.2349     | A   | Consumer           | 14.65Y    | 122.1        | 0.00            | 3.95                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.903                               | 0.000 | 0    | 0          | 0            | 0         |
| 427915       | PL.2349     | A   | Consumer           | 14.65Y    | 122.1        | 0.00            | 3.95                     | 0.36         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 6.903                               | 0.000 | 5    | 1          | 1            | 1         |
| 426917       | PL.15724    | A   | Consumer           | 14.67Y    | 122.3        | 0.00            | 3.75                     | 0.15         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 6.412                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.19279     | PL.23648    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.55                     | 3.97         | 2        | 58         | 6    | 99      | 0.00       | 0.0               | 6.178                               | 0.054 | 0    | 0          | 0            | 14        |
| 426812       | PL.19279    | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.55                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.178                               | 0.000 | 0    | 0          | 1            | 1         |
| 426808       | PL.19279    | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.55                     | 0.51         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 6.178                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.19280     | PL.19279    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.01            | 3.56                     | 3.46         | 2        | 51         | 5    | 100     | 0.00       | 0.0               | 6.293                               | 0.114 | 0    | 0          | 0            | 12        |
| PL.26986     | PL.19280    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.01            | 3.57                     | 3.46         | 2        | 51         | 5    | 100     | 0.00       | 0.0               | 6.446                               | 0.154 | 0    | 0          | 0            | 11        |
| PL.33778     | PL.26986    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.57                     | 1.17         | 1        | 17         | 2    | 99      | 0.00       | 0.0               | 6.475                               | 0.028 | 0    | 0          | 0            | 4         |
| PL.33779     | PL.33778    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.58                     | 1.17         | 1        | 17         | 2    | 99      | 0.00       | 0.0               | 6.664                               | 0.189 | 0    | 0          | 0            | 4         |
| 426813       | PL.33779    | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.664                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.26991     | PL.33779    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.58                     | 1.17         | 1        | 17         | 2    | 99      | 0.00       | 0.0               | 6.753                               | 0.089 | 0    | 0          | 0            | 4         |
| PL.26992     | PL.26991    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 7.201                               | 0.448 | 0    | 0          | 0            | 1         |
| 425801       | PL.26992    | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 7.201                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.33782     | PL.26991    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.77         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 6.761                               | 0.008 | 0    | 0          | 0            | 3         |
| PD.4037      | PL.33782    | A   | fuse6AMP           | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.77         | 13       | 11         | 1    | 100     | 0.00       | 0.0               | 6.761                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.33783     | PD.4037     | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.77         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 6.874                               | 0.113 | 0    | 0          | 0            | 3         |
| PL.2308      | PL.33783    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.77         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 6.936                               | 0.063 | 0    | 0          | 0            | 3         |
| PL.2309      | PL.2308     | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.72         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 7.058                               | 0.121 | 0    | 0          | 0            | 1         |
| 426802       | PL.2309     | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.72         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 7.058                               | 0.000 | 10   | 1          | 1            | 1         |
| PL.2310      | PL.2308     | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.06         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 7.038                               | 0.102 | 0    | 0          | 0            | 2         |
| 426804       | PL.2310     | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.038                               | 0.000 | 0    | 0          | 1            | 1         |
| 426803       | PL.2310     | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.06         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 7.038                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.33776     | PL.26986    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.57                     | 0.47         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 6.456                               | 0.009 | 0    | 0          | 0            | 1         |
| PD.4034      | PL.33776    | A   | fuse6AMP           | 14.69Y    | 122.4        | 0.00            | 3.57                     | 0.47         | 8        | 7          | 1    | 99      | 0.00       | 0.0               | 6.456                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.33777     | PD.4034     | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.57                     | 0.47         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 6.620                               | 0.165 | 0    | 0          | 0            | 1         |
| 426940       | PL.33777    | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.57                     | 0.47         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 6.620                               | 0.000 | 7    | 1          | 1            | 1         |
| 426810       | PL.26986    | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.57                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.446                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.33780     | PL.26986    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.57                     | 1.80         | 1        | 26         | 3    | 99      | 0.00       | 0.0               | 6.465                               | 0.018 | 0    | 0          | 0            | 5         |
| PD.4036      | PL.33780    | A   | fuse6AMP           | 14.69Y    | 122.4        | 0.00            | 3.57                     | 1.80         | 31       | 26         | 3    | 99      | 0.00       | 0.0               | 6.465                               | 0.000 | 0    | 0          | 0            | 5         |
| PL.33781     | PD.4036     | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.58                     | 1.80         | 1        | 26         | 3    | 99      | 0.00       | 0.0               | 6.540                               | 0.076 | 0    | 0          | 0            | 5         |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| 426807       | PL.33781    | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.56         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 6.540             | 0.000          | 8          | 1            | 1  | 1    |
| 426806       | PL.33781    | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.38         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 6.540             | 0.000          | 5          | 1            | 1  | 1    |
| PL.26989     | PL.33781    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.87         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 6.589             | 0.049          | 0          | 0            | 0  | 3    |
| PL.26990     | PL.26989    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.30         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 6.709             | 0.121          | 0          | 0            | 0  | 1    |
| 426809       | PL.26990    | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.30         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 6.709             | 0.000          | 4          | 0            | 1  | 1    |
| PL.2316      | PL.26989    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.57         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 6.729             | 0.140          | 0          | 0            | 0  | 2    |
| 426922       | PL.2316     | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.29         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 6.729             | 0.000          | 4          | 0            | 1  | 1    |
| 426929       | PL.2316     | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.58                     | 0.28         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 6.729             | 0.000          | 4          | 0            | 1  | 1    |
| PL.33787     | PL.19280    | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.56                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.308             | 0.015          | 0          | 0            | 0  | 1    |
| PD.4039      | PL.33787    | A   | fuse6AMP           | 14.69Y    | 122.4        | 0.00            | 3.56                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.308             | 0.000          | 0          | 0            | 0  | 1    |
| PL.33786     | PD.4039     | A   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.56                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.349             | 0.041          | 0          | 0            | 0  | 1    |
| 426814       | PL.33786    | A   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.56                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.349             | 0.000          | 0          | 0            | 1  | 1    |
| PL.16124     | PL.16123    | A   | 4ACSR              | 14.71Y    | 122.6        | 0.00            | 3.38                     | 0.26         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 5.925             | 0.016          | 0          | 0            | 0  | 1    |
| PD.1327      | PL.16124    | A   | fuse6AMP           | 14.71Y    | 122.6        | 0.00            | 3.38                     | 0.26         | 4        | 4          | 0    | 100     | 0.00       | 0.0               | 5.925             | 0.000          | 0          | 0            | 0  | 1    |
| PL.16125     | PD.1327     | A   | 4ACSR              | 14.71Y    | 122.6        | 0.00            | 3.38                     | 0.26         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 6.038             | 0.113          | 0          | 0            | 0  | 1    |
| 427810       | PL.16125    | A   | Consumer           | 14.71Y    | 122.6        | 0.00            | 3.38                     | 0.26         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 6.038             | 0.000          | 4          | 0            | 1  | 1    |
| 427807       | PL.16123    | A   | Consumer           | 14.71Y    | 122.6        | 0.00            | 3.38                     | 0.56         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 5.908             | 0.000          | 8          | 1            | 1  | 1    |
| 427825       | PL.16123    | A   | Consumer           | 14.71Y    | 122.6        | 0.00            | 3.38                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.908             | 0.000          | 0          | 0            | 1  | 1    |
| PL.18880     | PL.26018    | A   | 4ACSR              | 14.76Y    | 123.0        | 0.00            | 2.99                     | 2.47         | 1        | 36         | 4    | 99      | 0.00       | 0.0               | 5.433             | 0.005          | 0          | 0            | 0  | 5    |
| PD.3116      | PL.18880    | A   | 50V4E              | 14.76Y    | 123.0        | 0.00            | 2.99                     | 2.47         | 0        | 36         | 4    | 99      | 0.00       | 0.0               | 5.433             | 0.000          | 0          | 0            | 0  | 5    |
| PL.18881     | PD.3116     | A   | 4ACSR              | 14.76Y    | 123.0        | 0.01            | 3.00                     | 2.47         | 1        | 36         | 4    | 99      | 0.00       | 0.0               | 5.537             | 0.104          | 0          | 0            | 0  | 5    |
| PL.6662      | PL.18881    | A   | 4ACSR              | 14.75Y    | 122.9        | 0.05            | 3.05                     | 2.25         | 1        | 33         | 3    | 100     | 0.01       | 0.0               | 6.659             | 1.122          | 0          | 0            | 0  | 4    |
| PL.14648     | PL.6662     | A   | 4ACSR              | 14.75Y    | 122.9        | 0.00            | 3.05                     | 2.25         | 1        | 33         | 3    | 100     | 0.00       | 0.0               | 6.713             | 0.053          | 0          | 0            | 0  | 4    |
| PL.14649     | PL.14648    | A   | 4ACSR              | 14.75Y    | 122.9        | 0.01            | 3.06                     | 2.20         | 1        | 32         | 3    | 100     | 0.00       | 0.0               | 6.900             | 0.187          | 0          | 0            | 0  | 3    |
| PL.26415     | PL.14649    | A   | 4ACSR              | 14.75Y    | 122.9        | 0.00            | 3.06                     | 2.20         | 1        | 32         | 3    | 100     | 0.00       | 0.0               | 6.910             | 0.010          | 0          | 0            | 0  | 3    |
| PD.1329      | PL.26415    | A   | fuse6AMP           | 14.75Y    | 122.9        | 0.00            | 3.06                     | 2.20         | 38       | 32         | 3    | 100     | 0.00       | 0.0               | 6.910             | 0.000          | 0          | 0            | 0  | 3    |
| PL.26416     | PD.1329     | A   | 4ACSR              | 14.75Y    | 122.9        | 0.00            | 3.06                     | 2.20         | 1        | 32         | 3    | 100     | 0.00       | 0.0               | 6.961             | 0.051          | 0          | 0            | 0  | 3    |
| PL.2350      | PL.26416    | A   | 4ACSR              | 14.75Y    | 122.9        | 0.00            | 3.07                     | 1.49         | 1        | 22         | 2    | 100     | 0.00       | 0.0               | 7.095             | 0.135          | 0          | 0            | 0  | 2    |
| 428915       | PL.2350     | A   | Consumer           | 14.75Y    | 122.9        | 0.00            | 3.07                     | 0.63         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 7.095             | 0.000          | 9          | 1            | 1  | 1    |
| 428914       | PL.2350     | A   | Consumer           | 14.75Y    | 122.9        | 0.00            | 3.07                     | 0.86         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 7.095             | 0.000          | 13         | 1            | 1  | 1    |
| 428913       | PL.26416    | A   | Consumer           | 14.75Y    | 122.9        | 0.00            | 3.06                     | 0.71         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 6.961             | 0.000          | 10         | 1            | 1  | 1    |
| PL.14647     | PL.14649    | A   | 4ACSR              | 14.75Y    | 122.9        | 0.00            | 3.06                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.913             | 0.014          | 0          | 0            | 0  | 0    |
| PD.311-A     | PL.14647    | A   | Open               | 14.75Y    | 122.9        | 0.00            | 3.06                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.913             | 0.000          | 0          | 0            | 0  | 0    |
| PL.18560     | PL.14648    | A   | 4ACSR              | 14.75Y    | 122.9        | 0.00            | 3.05                     | 0.05         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 6.739             | 0.026          | 0          | 0            | 0  | 1    |
| PD.1330      | PL.18560    | A   | fuse6AMP           | 14.75Y    | 122.9        | 0.00            | 3.05                     | 0.05         | 1        | 1          | 0    | 100     | 0.00       | 0.0               | 6.739             | 0.000          | 0          | 0            | 0  | 1    |
| PL.18561     | PD.1330     | A   | 4ACSR              | 14.75Y    | 122.9        | 0.00            | 3.05                     | 0.05         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 6.852             | 0.113          | 0          | 0            | 0  | 1    |
| 428908       | PL.18561    | A   | Consumer           | 14.75Y    | 122.9        | 0.00            | 3.05                     | 0.05         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 6.852             | 0.000          | 1          | 0            | 1  | 1    |
| 427809       | PL.18881    | A   | Consumer           | 14.76Y    | 123.0        | 0.00            | 3.00                     | 0.22         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 5.537             | 0.000          | 3          | 0            | 1  | 1    |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PL.26014     | PL.26017    | A   | 4ACSR              | 14.78Y    | 123.2        | 0.00            | 2.81                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.218             | 0.007          | 0          | 0            | 0  | 0    |
| PD.1326      | PL.26014    | A   | fuse6AMP           | 14.78Y    | 123.2        | 0.00            | 2.81                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.218             | 0.000          | 0          | 0            | 0  | 0    |
| PL.26015     | PD.1326     | A   | 4ACSR              | 14.78Y    | 123.2        | 0.00            | 2.81                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.258             | 0.040          | 0          | 0            | 0  | 0    |
| PL.2352      | PL.26015    | A   | 4ACSR              | 14.78Y    | 123.2        | 0.00            | 2.81                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.456             | 0.198          | 0          | 0            | 0  | 0    |
| 427814       | PL.2352     | A   | Consumer           | 14.78Y    | 123.2        | 0.00            | 2.81                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.456             | 0.000          | 0          | 0            | 0  | 0    |
| 427803       | PL.11610    | A   | Consumer           | 14.80Y    | 123.3        | 0.00            | 2.68                     | 0.19         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 5.062             | 0.000          | 3          | 0            | 1  | 1    |
| PL.26012     | PL.12439    | A   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.55                     | 0.39         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.921             | 0.006          | 0          | 0            | 0  | 2    |
| PD.1325      | PL.26012    | A   | fuse6AMP           | 14.81Y    | 123.4        | 0.00            | 2.55                     | 0.39         | 7        | 6          | 1    | 99      | 0.00       | 0.0               | 4.921             | 0.000          | 0          | 0            | 0  | 2    |
| PL.26013     | PD.1325     | A   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.55                     | 0.39         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 5.008             | 0.088          | 0          | 0            | 0  | 2    |
| 427826       | PL.26013    | A   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.55                     | 0.13         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.008             | 0.000          | 2          | 0            | 1  | 1    |
| 427816       | PL.26013    | A   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.55                     | 0.27         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 5.008             | 0.000          | 4          | 0            | 1  | 1    |
| 427829       | PL.12439    | A   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.55                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.914             | 0.000          | 0          | 0            | 1  | 1    |
| PL.26010     | PL.12439    | A   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.55                     | 0.26         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 4.922             | 0.008          | 0          | 0            | 0  | 1    |
| PD.1324      | PL.26010    | A   | fuse6AMP           | 14.81Y    | 123.4        | 0.00            | 2.55                     | 0.26         | 4        | 4          | 0    | 100     | 0.00       | 0.0               | 4.922             | 0.000          | 0          | 0            | 0  | 1    |
| PL.26011     | PD.1324     | A   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.55                     | 0.26         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 4.963             | 0.040          | 0          | 0            | 0  | 1    |
| 427823       | PL.26011    | A   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.55                     | 0.26         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 4.963             | 0.000          | 4          | 0            | 1  | 1    |
| 427801       | PL.11389    | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 2.01                     | 0.24         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 4.738             | 0.000          | 4          | 0            | 1  | 1    |
| PL.11605     | PL.11388    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.532             | 0.015          | 0          | 0            | 0  | 0    |
| PD.1316      | PL.11605    | C   | fuse6AMP           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.532             | 0.000          | 0          | 0            | 0  | 0    |
| PL.11606     | PD.1316     | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.616             | 0.084          | 0          | 0            | 0  | 0    |
| 428802       | PL.11606    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.616             | 0.000          | 0          | 0            | 0  | 0    |
| PL.2359      | PL.11606    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.684             | 0.068          | 0          | 0            | 0  | 0    |
| PL.11607     | PL.11388    | A   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.23         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.529             | 0.013          | 0          | 0            | 0  | 1    |
| PD.1314      | PL.11607    | A   | fuse6AMP           | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.23         | 4        | 3          | 0    | 100     | 0.00       | 0.0               | 4.529             | 0.000          | 0          | 0            | 0  | 1    |
| PL.11608     | PD.1314     | A   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.23         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.583             | 0.053          | 0          | 0            | 0  | 1    |
| PL.2360      | PL.11608    | A   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.675             | 0.092          | 0          | 0            | 0  | 0    |
| PL.2329      | PL.2360     | A   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.698             | 0.023          | 0          | 0            | 0  | 0    |
| 428801       | PL.11608    | A   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.23         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.583             | 0.000          | 3          | 0            | 1  | 1    |
| 428717       | PL.6651     | B   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.84                     | 0.21         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.232             | 0.000          | 3          | 0            | 1  | 1    |
| PL.17643     | PL.6651     | A   | 4ACSR              | 14.86Y    | 123.8        | 0.00            | 2.17                     | 0.27         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 4.245             | 0.013          | 0          | 0            | 0  | 2    |
| PD.1295      | PL.17643    | A   | fuse6AMP           | 14.86Y    | 123.8        | 0.00            | 2.17                     | 0.27         | 5        | 4          | 0    | 100     | 0.00       | 0.0               | 4.245             | 0.000          | 0          | 0            | 0  | 2    |
| PL.17644     | PD.1295     | A   | 4ACSR              | 14.86Y    | 123.8        | 0.00            | 2.17                     | 0.27         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 4.330             | 0.085          | 0          | 0            | 0  | 2    |
| PL.2328      | PL.17644    | A   | 4ACSR              | 14.86Y    | 123.8        | 0.00            | 2.17                     | 0.08         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.408             | 0.078          | 0          | 0            | 0  | 1    |
| 428726       | PL.2328     | A   | Consumer           | 14.86Y    | 123.8        | 0.00            | 2.17                     | 0.08         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.408             | 0.000          | 1          | 0            | 1  | 1    |
| 428711       | PL.17644    | A   | Consumer           | 14.86Y    | 123.8        | 0.00            | 2.17                     | 0.19         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.330             | 0.000          | 3          | 0            | 1  | 1    |
| 428732       | PL.11379    | B   | Consumer           | 14.92Y    | 124.3        | 0.00            | 1.70                     | 0.66         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 3.845             | 0.000          | 10         | 1            | 1  | 1    |
| 428716       | PL.11379    | B   | Consumer           | 14.92Y    | 124.3        | 0.00            | 1.70                     | 0.18         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 3.845             | 0.000          | 3          | 0            | 1  | 1    |
| 428705       | PL.11374    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.25         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.476             | 0.000          | 4          | 0            | 1  | 1    |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.



Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.20271     | PL.20270    | C   | 4ACSR              | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.308                               | 0.113 | 0    | 0          | 0            | 1  |
| PL.26023     | PL.20271    | C   | 4ACSR              | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.430                               | 0.123 | 0    | 0          | 0            | 1  |
| PL.26024     | PL.26023    | C   | 4ACSR              | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.437                               | 0.006 | 0    | 0          | 0            | 1  |
| PL.2345      | PL.26024    | C   | 4ACSR              | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.481                               | 0.044 | 0    | 0          | 0            | 1  |
| 427717       | PL.2345     | C   | Consumer           | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.481                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.30859     | PL.26024    | C   | 4ACSR              | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.446                               | 0.010 | 0    | 0          | 0            | 0  |
| PD.303-A     | PL.30859    | C   | Open               | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.446                               | 0.000 | 0    | 0          | 0            | 0  |
| 427601       | PL.20270    | C   | Consumer           | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.195                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.2339      | PL.24878    | C   | 4ACSR              | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.661                               | 0.193 | 0    | 0          | 0            | 0  |
| PL.24880     | PL.19745    | C   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.12                     | 1.07         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 3.859                               | 0.048 | 0    | 0          | 0            | 3  |
| PL.6654      | PL.24880    | C   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.12                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.921                               | 0.062 | 0    | 0          | 0            | 0  |
| PL.6655      | PL.6654     | C   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.12                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.921                               | 0.000 | 0    | 0          | 0            | 0  |
| 428626       | PL.6654     | C   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.12                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.921                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.25670     | PL.24880    | C   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.12                     | 1.07         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 3.861                               | 0.001 | 0    | 0          | 0            | 3  |
| PL.24879     | PL.25670    | C   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.12                     | 1.07         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 3.890                               | 0.030 | 0    | 0          | 0            | 3  |
| PL.2335      | PL.24879    | C   | 4ACSR              | 14.98Y    | 124.9        | 0.00            | 1.13                     | 1.07         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 3.987                               | 0.097 | 0    | 0          | 0            | 3  |
| 428624       | PL.2335     | C   | Consumer           | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.987                               | 0.000 | 0    | 0          | 1            | 1  |
| 428622       | PL.2335     | C   | Consumer           | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.40         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.987                               | 0.000 | 6    | 1          | 1            | 1  |
| 428612       | PL.2335     | C   | Consumer           | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.67         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 3.987                               | 0.000 | 10   | 1          | 1            | 1  |
| PL.24876     | PL.12437    | C   | 4ACSR              | 14.98Y    | 124.9        | 0.02            | 1.13                     | 9.68         | 5        | 145        | 12      | 100        | 0.03      | 0.0               | 3.599                               | 0.113 | 0    | 0          | 0            | 22 |
| PL.33859     | PL.24876    | C   | 4ACSR              | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.609                               | 0.009 | 0    | 0          | 0            | 0  |
| PD.4072      | PL.33859    | C   | fuse6AMP           | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.609                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.33860     | PD.4072     | C   | 4ACSR              | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.680                               | 0.072 | 0    | 0          | 0            | 0  |
| 428614       | PL.33860    | C   | Consumer           | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.680                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.33861     | PL.24876    | C   | 4ACSR              | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.26         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 3.615                               | 0.016 | 0    | 0          | 0            | 1  |
| PD.4073      | PL.33861    | C   | fuse6AMP           | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.26         | 5        | 4          | 0       | 100        | 0.00      | 0.0               | 3.615                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.33862     | PD.4073     | C   | 4ACSR              | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.26         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 3.688                               | 0.073 | 0    | 0          | 0            | 1  |
| 428605       | PL.33862    | C   | Consumer           | 14.98Y    | 124.9        | 0.00            | 1.13                     | 0.26         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 3.688                               | 0.000 | 4    | 0          | 1            | 1  |
| PL.24877     | PL.24876    | C   | 4ACSR              | 14.98Y    | 124.9        | 0.01            | 1.14                     | 9.42         | 5        | 141        | 12      | 100        | 0.01      | 0.0               | 3.642                               | 0.043 | 0    | 0          | 0            | 21 |
| 428613       | PL.24877    | C   | Consumer           | 14.98Y    | 124.9        | 0.00            | 1.14                     | 0.38         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.642                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.6653      | PL.24877    | C   | 4ACSR              | 14.98Y    | 124.8        | 0.03            | 1.16                     | 9.04         | 5        | 135        | 11      | 100        | 0.03      | 0.0               | 3.778                               | 0.137 | 0    | 0          | 0            | 20 |
| PL.12434     | PL.6653     | C   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.17                     | 8.27         | 4        | 123        | 10      | 100        | 0.00      | 0.0               | 3.786                               | 0.008 | 0    | 0          | 0            | 19 |
| PD.308-A     | PL.12434    | C   | Closed             | 14.98Y    | 124.8        | 0.00            | 1.17                     | 8.27         | 0        | 123        | 10      | 100        | 0.00      | 0.0               | 3.786                               | 0.000 | 0    | 0          | 0            | 19 |
| PD.308-B     | PD.308-A    | C   | Closed             | 14.98Y    | 124.8        | 0.00            | 1.17                     | 8.27         | 0        | 123        | 10      | 100        | 0.00      | 0.0               | 3.786                               | 0.000 | 0    | 0          | 0            | 19 |
| PL.12435     | PD.308-B    | C   | 4ACSR              | 14.98Y    | 124.8        | 0.01            | 1.18                     | 8.27         | 4        | 123        | 10      | 100        | 0.01      | 0.0               | 3.872                               | 0.085 | 0    | 0          | 0            | 19 |
| PL.33855     | PL.12435    | C   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.881                               | 0.009 | 0    | 0          | 0            | 1  |
| PD.4070      | PL.33855    | C   | fuse6AMP           | 14.98Y    | 124.8        | 0.00            | 1.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.881                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.33856     | PD.4070     | C   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.940                               | 0.059 | 0    | 0          | 0            | 1  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.2338      | PL.33856    | C   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.054                               | 0.113 | 0    | 0          | 0            | 1  |
| 428616       | PL.2338     | C   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.054                               | 0.000 | 0    | 0          | 1            | 1  |
| 428602       | PL.33856    | C   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.940                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.25671     | PL.12435    | C   | 4ACSR              | 14.97Y    | 124.8        | 0.04            | 1.22                     | 6.60         | 3        | 99         | 8       | 100        | 0.03      | 0.0               | 4.162                               | 0.290 | 0    | 0          | 0            | 15 |
| PL.25673     | PL.25671    | C   | 4ACSR              | 14.97Y    | 124.8        | 0.01            | 1.23                     | 6.60         | 3        | 99         | 8       | 100        | 0.01      | 0.0               | 4.221                               | 0.060 | 0    | 0          | 0            | 15 |
| PL.6486      | PL.25673    | C   | 4ACSR              | 14.97Y    | 124.8        | 0.01            | 1.24                     | 6.60         | 3        | 99         | 8       | 100        | 0.01      | 0.0               | 4.307                               | 0.086 | 0    | 0          | 0            | 15 |
| PL.25672     | PL.6486     | C   | 4ACSR              | 14.97Y    | 124.8        | 0.01            | 1.25                     | 6.54         | 3        | 98         | 8       | 100        | 0.00      | 0.0               | 4.356                               | 0.049 | 0    | 0          | 0            | 14 |
| PL.33853     | PL.25672    | C   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.25                     | 0.73         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 4.365                               | 0.009 | 0    | 0          | 0            | 2  |
| PD.4069      | PL.33853    | C   | fuse6AMP           | 14.97Y    | 124.8        | 0.00            | 1.25                     | 0.73         | 12       | 11         | 1       | 100        | 0.00      | 0.0               | 4.365                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.33854     | PD.4069     | C   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.25                     | 0.73         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 4.427                               | 0.063 | 0    | 0          | 0            | 2  |
| 428508       | PL.33854    | C   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.25                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.427                               | 0.000 | 0    | 0          | 1            | 1  |
| 428507       | PL.33854    | C   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.25                     | 0.73         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 4.427                               | 0.000 | 11   | 1          | 1            | 1  |
| PL.25675     | PL.25672    | C   | 4ACSR              | 14.97Y    | 124.7        | 0.02            | 1.27                     | 5.82         | 3        | 87         | 6       | 100        | 0.02      | 0.0               | 4.548                               | 0.192 | 0    | 0          | 0            | 12 |
| PL.33851     | PL.25675    | C   | 4ACSR              | 14.97Y    | 124.7        | 0.00            | 1.27                     | 2.63         | 1        | 39         | 4       | 99         | 0.00      | 0.0               | 4.560                               | 0.013 | 0    | 0          | 0            | 5  |
| PD.4068      | PL.33851    | C   | fuse6AMP           | 14.97Y    | 124.7        | 0.00            | 1.27                     | 2.63         | 45       | 39         | 4       | 99         | 0.00      | 0.0               | 4.560                               | 0.000 | 0    | 0          | 0            | 5  |
| PL.33852     | PD.4068     | C   | 4ACSR              | 14.97Y    | 124.7        | 0.01            | 1.28                     | 2.63         | 1        | 39         | 4       | 99         | 0.00      | 0.0               | 4.723                               | 0.162 | 0    | 0          | 0            | 5  |
| PL.25751     | PL.33852    | C   | 4ACSR              | 14.97Y    | 124.7        | 0.00            | 1.28                     | 1.95         | 1        | 29         | 3       | 99         | 0.00      | 0.0               | 4.723                               | 0.001 | 0    | 0          | 0            | 4  |
| PL.25677     | PL.25751    | C   | 4ACSR              | 14.97Y    | 124.7        | 0.00            | 1.28                     | 1.95         | 1        | 29         | 3       | 99         | 0.00      | 0.0               | 4.812                               | 0.089 | 0    | 0          | 0            | 4  |
| PL.25678     | PL.25677    | C   | 4ACSR              | 14.97Y    | 124.7        | 0.00            | 1.28                     | 0.22         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.888                               | 0.076 | 0    | 0          | 0            | 2  |
| 428512       | PL.25678    | C   | Consumer           | 14.97Y    | 124.7        | 0.00            | 1.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.888                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.2397      | PL.25678    | C   | 4ACSR              | 14.97Y    | 124.7        | 0.00            | 1.28                     | 0.22         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.949                               | 0.061 | 0    | 0          | 0            | 1  |
| PL.33919     | PL.2397     | C   | 2ACSR              | 14.97Y    | 124.7        | 0.00            | 1.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.980                               | 0.030 | 0    | 0          | 0            | 0  |
| 4285035      | PL.33919    | C   | Consumer           | 14.97Y    | 124.7        | 0.00            | 1.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.980                               | 0.000 | 0    | 0          | 0            | 0  |
| 428526       | PL.2397     | C   | Consumer           | 14.97Y    | 124.7        | 0.00            | 1.28                     | 0.22         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.949                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.25679     | PL.25677    | C   | 4ACSR              | 14.97Y    | 124.7        | 0.00            | 1.29                     | 1.73         | 1        | 26         | 3       | 99         | 0.00      | 0.0               | 4.892                               | 0.080 | 0    | 0          | 0            | 2  |
| PL.2396      | PL.25679    | C   | 4ACSR              | 14.97Y    | 124.7        | 0.00            | 1.29                     | 0.90         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 5.054                               | 0.162 | 0    | 0          | 0            | 1  |
| 428520       | PL.2396     | C   | Consumer           | 14.97Y    | 124.7        | 0.00            | 1.29                     | 0.90         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 5.054                               | 0.000 | 13   | 1          | 1            | 1  |
| 428513       | PL.25679    | C   | Consumer           | 14.97Y    | 124.7        | 0.00            | 1.29                     | 0.83         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 4.892                               | 0.000 | 12   | 1          | 1            | 1  |
| 428531       | PL.33852    | C   | Consumer           | 14.97Y    | 124.7        | 0.00            | 1.28                     | 0.67         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 4.723                               | 0.000 | 10   | 1          | 1            | 1  |
| PL.25676     | PL.25675    | C   | 4ACSR              | 14.97Y    | 124.7        | 0.02            | 1.29                     | 3.19         | 2        | 48         | 2       | 100        | 0.01      | 0.0               | 4.803                               | 0.256 | 0    | 0          | 0            | 7  |
| PL.20272     | PL.25676    | C   | 4ACSR              | 14.97Y    | 124.7        | 0.01            | 1.29                     | 2.75         | 1        | 41         | 2       | 100        | 0.00      | 0.0               | 4.897                               | 0.093 | 0    | 0          | 0            | 6  |
| PL.20273     | PL.20272    | C   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.29                     | 2.07         | 1        | 31         | 1       | 100        | 0.00      | 0.0               | 4.983                               | 0.086 | 0    | 0          | 0            | 5  |
| PL.6487      | PL.20273    | C   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.30                     | 1.10         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 5.043                               | 0.060 | 0    | 0          | 0            | 2  |
| 428525       | PL.6487     | C   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.30                     | 0.26         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 5.043                               | 0.000 | 4    | 0          | 1            | 1  |
| PL.6488      | PL.6487     | C   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.30                     | 0.84         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 5.237                               | 0.194 | 0    | 0          | 0            | 1  |
| 428527       | PL.6488     | C   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.30                     | 0.84         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 5.237                               | 0.000 | 13   | 1          | 1            | 1  |
| 428506       | PL.20273    | C   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.29                     | 0.25         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 4.983                               | 0.000 | 4    | 0          | 1            | 1  |
| PL.33847     | PL.20273    | C   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.29                     | 0.74         | 0        | 11         | -1      | -100       | 0.00      | 0.0               | 4.993                               | 0.010 | 0    | 0          | 0            | 2  |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for Units Displayed In Volts and Base Voltage:120.0-

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for Units Displayed In Volts and Base Voltage:120.0-

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements like PD.434-A, PL.38176, etc.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Length<br>(mi) | -----Element----- |    |      |            |              |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|---------------------|-------------------|----|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                     | %<br>Loss         | KW | KVAR | Cons<br>On | Cons<br>Thru |
| PL.46581     | PL.46580    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.805               | 0.082             | 0  | 0    | 0          | 0            |
| PL.38177     | PL.14745    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.95   | 0.74         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 3.240               | 0.013             | 0  | 0    | 0          | 1            |
| PD.6639      | PL.38177    | C   | fuse6AMP           | 15.01Y    | 125.0        | 0.00            | 0.95   | 0.74         | 13       | 11         | 1    | 100     | 0.00       | 0.0               | 3.240               | 0.000             | 0  | 0    | 0          | 1            |
| PL.38178     | PD.6639     | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.95   | 0.74         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 3.245               | 0.004             | 0  | 0    | 0          | 1            |
| PL.15151     | PL.38178    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.95   | 0.74         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 3.350               | 0.105             | 0  | 0    | 0          | 1            |
| 480726       | PL.15151    | C   | Consumer           | 15.01Y    | 125.0        | 0.00            | 0.95   | 0.74         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 3.350               | 0.000             | 11 | 1    | 1          | 1            |
| 480718       | PL.15153    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.94   | 0.87         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 3.066               | 0.000             | 13 | 1    | 1          | 1            |
| PL.38173     | PL.38168    | C   | 2ACSR              | 15.01Y    | 125.1        | 0.00            | 0.94   | 0.30         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.072               | 0.007             | 0  | 0    | 0          | 1            |
| PD.6638      | PL.38173    | C   | fuse6AMP           | 15.01Y    | 125.1        | 0.00            | 0.94   | 0.30         | 5        | 4          | 0    | 100     | 0.00       | 0.0               | 3.072               | 0.000             | 0  | 0    | 0          | 1            |
| PL.38174     | PD.6638     | C   | 2ACSR              | 15.01Y    | 125.1        | 0.00            | 0.94   | 0.30         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.105               | 0.033             | 0  | 0    | 0          | 1            |
| 4807030      | PL.38174    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.94   | 0.30         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.105               | 0.000             | 4  | 0    | 1          | 1            |
| PL.38169     | PL.14744    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.93   | 0.39         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.991               | 0.014             | 0  | 0    | 0          | 2            |
| PD.6636      | PL.38169    | C   | fuse6AMP           | 15.01Y    | 125.1        | 0.00            | 0.93   | 0.39         | 7        | 6          | 1    | 99      | 0.00       | 0.0               | 2.991               | 0.000             | 0  | 0    | 0          | 2            |
| PL.38170     | PD.6636     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.93   | 0.39         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.065               | 0.073             | 0  | 0    | 0          | 2            |
| PL.3092      | PL.38170    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.93   | 0.06         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.151               | 0.086             | 0  | 0    | 0          | 1            |
| 480710       | PL.3092     | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.93   | 0.06         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.151               | 0.000             | 1  | 0    | 1          | 1            |
| 480702       | PL.38170    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.93   | 0.33         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 3.065               | 0.000             | 5  | 1    | 1          | 1            |
| PL.38171     | PL.14744    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.93   | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.990               | 0.013             | 0  | 0    | 0          | 2            |
| PD.6637      | PL.38171    | C   | fuse6AMP           | 15.01Y    | 125.1        | 0.00            | 0.93   | 0.45         | 8        | 7          | 1    | 99      | 0.00       | 0.0               | 2.990               | 0.000             | 0  | 0    | 0          | 2            |
| PL.38172     | PD.6637     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.93   | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.117               | 0.126             | 0  | 0    | 0          | 2            |
| PL.2877      | PL.38172    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.93   | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.150               | 0.033             | 0  | 0    | 0          | 2            |
| 480727       | PL.2877     | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.93   | 0.18         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 3.150               | 0.000             | 3  | 0    | 1          | 1            |
| 480722       | PL.2877     | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.93   | 0.27         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.150               | 0.000             | 4  | 0    | 1          | 1            |
| PL.3086      | PL.38172    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.93   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.242               | 0.125             | 0  | 0    | 0          | 0            |
| 480721       | PL.3086     | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.93   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.242               | 0.000             | 0  | 0    | 0          | 0            |
| PL.2656      | PL.10188    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.88   | 0.23         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.670               | 0.072             | 0  | 0    | 0          | 2            |
| PL.3089      | PL.2656     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.88   | 0.17         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.738               | 0.068             | 0  | 0    | 0          | 1            |
| PL.2866      | PL.3089     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.89   | 0.17         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.809               | 0.071             | 0  | 0    | 0          | 1            |
| 480613       | PL.2866     | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.89   | 0.17         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.809               | 0.000             | 3  | 0    | 1          | 1            |
| 480612       | PL.2656     | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.88   | 0.06         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.670               | 0.000             | 1  | 0    | 1          | 1            |
| PL.10178     | PL.10176    | A   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.058               | 0.006             | 0  | 0    | 0          | 0            |
| PD.1688      | PL.10178    | A   | fuse6AMP           | 14.99Y    | 124.9        | 0.00            | 1.08   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.058               | 0.000             | 0  | 0    | 0          | 0            |
| PL.19681     | PD.1688     | A   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.106               | 0.048             | 0  | 0    | 0          | 0            |
| 480609       | PL.19681    | A   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.106               | 0.000             | 0  | 0    | 0          | 0            |
| PL.19682     | PL.19681    | A   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.112               | 0.006             | 0  | 0    | 0          | 0            |
| PL.12444     | PL.10176    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.81   | 0.18         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.058               | 0.006             | 0  | 0    | 0          | 2            |
| PD.1686      | PL.12444    | C   | fuse6AMP           | 15.02Y    | 125.2        | 0.00            | 0.81   | 0.18         | 3        | 3          | 0    | 100     | 0.00       | 0.0               | 2.058               | 0.000             | 0  | 0    | 0          | 2            |
| PL.12445     | PD.1686     | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.81   | 0.18         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.121               | 0.063             | 0  | 0    | 0          | 2            |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PD.6634-B    | PD.6634-A   | C   | Closed             | 15.02Y    | 125.2        | 0.00            | 0.81                     | 2.54         | 0        | 38         | 4    | 99      | 0.00       | 0.0               | 1.994                               | 0.000 | 0    | 0          | 0            | 9         |
| PL.38166     | PD.6634-B   | C   | 4ACSR              | 15.02Y    | 125.2        | 0.01            | 0.82                     | 2.54         | 1        | 38         | 4    | 99      | 0.00       | 0.0               | 2.102                               | 0.108 | 0    | 0          | 0            | 9         |
| PL.10217     | PL.38166    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.82                     | 2.54         | 1        | 38         | 4    | 99      | 0.00       | 0.0               | 2.102                               | 0.001 | 0    | 0          | 0            | 9         |
| PL.10218     | PL.10217    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.01            | 0.82                     | 2.54         | 1        | 38         | 4    | 99      | 0.00       | 0.0               | 2.198                               | 0.096 | 0    | 0          | 0            | 9         |
| PL.10219     | PL.10218    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.01            | 0.83                     | 1.81         | 1        | 27         | 3    | 99      | 0.00       | 0.0               | 2.346                               | 0.147 | 0    | 0          | 0            | 6         |
| PL.2399      | PL.10219    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.493                               | 0.147 | 0    | 0          | 0            | 1         |
| PL.23958     | PL.2399     | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.586                               | 0.093 | 0    | 0          | 0            | 0         |
| 480517       | PL.23958    | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.586                               | 0.000 | 0    | 0          | 0            | 0         |
| 480501       | PL.2399     | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.493                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.6476      | PL.10219    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.442                               | 0.096 | 0    | 0          | 0            | 1         |
| PL.3097      | PL.6476     | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.499                               | 0.058 | 0    | 0          | 0            | 1         |
| 480502       | PL.3097     | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.499                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.2401      | PL.10219    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.386                               | 0.040 | 0    | 0          | 0            | 1         |
| 429523       | PL.2401     | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.386                               | 0.000 | 0    | 0          | 1            | 1         |
| 429508       | PL.10219    | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.63         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 2.346                               | 0.000 | 9    | 1          | 1            | 1         |
| 429516       | PL.10219    | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.13         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.346                               | 0.000 | 2    | 0          | 1            | 1         |
| 429513       | PL.10219    | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.64         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 2.346                               | 0.000 | 10   | 1          | 1            | 1         |
| PL.6489      | PL.10218    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.72         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 2.223                               | 0.025 | 0    | 0          | 0            | 2         |
| 429522       | PL.6489     | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.70         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 2.223                               | 0.000 | 11   | 1          | 1            | 1         |
| PL.6490      | PL.6489     | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.243                               | 0.020 | 0    | 0          | 0            | 1         |
| 429510       | PL.6490     | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.83                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.243                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.23925     | PL.10218    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.82                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.294                               | 0.095 | 0    | 0          | 0            | 1         |
| 429515       | PL.23925    | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.82                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.294                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.15745     | PL.10217    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.82                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.134                               | 0.031 | 0    | 0          | 0            | 0         |
| PD.1347      | PL.15745    | C   | fuse6AMP           | 15.02Y    | 125.2        | 0.00            | 0.82                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.134                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.15746     | PD.1347     | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.82                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.233                               | 0.099 | 0    | 0          | 0            | 0         |
| 429519       | PL.15746    | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.82                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.233                               | 0.000 | 0    | 0          | 0            | 0         |
| 429514       | PL.15746    | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.82                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.233                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.6479      | PL.19343    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.01            | 0.82                     | 8.74         | 5        | 131        | 13   | 100     | 0.01       | 0.0               | 2.036                               | 0.048 | 0    | 0          | 0            | 44        |
| PL.10227     | PL.6479     | C   | 4ACSR              | 15.02Y    | 125.2        | 0.02            | 0.84                     | 8.34         | 4        | 125        | 13   | 99      | 0.02       | 0.0               | 2.147                               | 0.112 | 0    | 0          | 0            | 43        |
| PL.10228     | PL.10227    | C   | 4ACSR              | 15.02Y    | 125.1        | 0.03            | 0.87                     | 6.92         | 4        | 103        | 10   | 100     | 0.02       | 0.0               | 2.356                               | 0.209 | 0    | 0          | 0            | 40        |
| PL.10225     | PL.10228    | C   | 4ACSR              | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.367                               | 0.011 | 0    | 0          | 0            | 0         |
| PD.1350      | PL.10225    | C   | fuse6AMP           | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.367                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.10226     | PD.1350     | C   | 4ACSR              | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.462                               | 0.094 | 0    | 0          | 0            | 0         |
| PL.23926     | PL.10226    | C   | 4ACSR              | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.533                               | 0.072 | 0    | 0          | 0            | 0         |
| 429518       | PL.23926    | C   | Consumer           | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.533                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.10220     | PL.10228    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.04            | 0.91                     | 6.02         | 3        | 90         | 9    | 100     | 0.03       | 0.0               | 2.665                               | 0.308 | 0    | 0          | 0            | 38        |
| 428524       | PL.10220    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.91                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.665                               | 0.000 | 0    | 0          | 0            | 0         |



Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.10210     | PL.10220    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.91                     | 1.52         | 1        | 23         | 2       | 100        | 0.00      | 0.0               | 2.687                               | 0.023 | 0    | 0          | 0            | 6  |
| PD.1351      | PL.10210    | C   | fuse6AMP           | 15.01Y    | 125.1        | 0.00            | 0.91                     | 1.52         | 26       | 23         | 2       | 100        | 0.00      | 0.0               | 2.687                               | 0.000 | 0    | 0          | 0            | 6  |
| PL.10211     | PD.1351     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.92                     | 1.52         | 1        | 23         | 2       | 100        | 0.00      | 0.0               | 2.814                               | 0.127 | 0    | 0          | 0            | 6  |
| 428503       | PL.10211    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.92                     | 1.11         | 0        | 17         | 2       | 99         | 0.00      | 0.0               | 2.814                               | 0.000 | 17   | 2          | 1            | 1  |
| PL.23929     | PL.10211    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.92                     | 0.41         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.867                               | 0.053 | 0    | 0          | 0            | 5  |
| PL.23933     | PL.23929    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.92                     | 0.11         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.972                               | 0.105 | 0    | 0          | 0            | 2  |
| 428534       | PL.23933    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.92                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.972                               | 0.000 | 0    | 0          | 1            | 1  |
| 428509       | PL.23933    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.92                     | 0.11         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.972                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.23931     | PL.23929    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.92                     | 0.29         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 2.919                               | 0.052 | 0    | 0          | 0            | 3  |
| PL.23932     | PL.23931    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.92                     | 0.29         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 2.986                               | 0.067 | 0    | 0          | 0            | 3  |
| PL.6482      | PL.23932    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.92                     | 0.28         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 3.046                               | 0.060 | 0    | 0          | 0            | 2  |
| PL.6483      | PL.6482     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.92                     | 0.28         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 3.098                               | 0.052 | 0    | 0          | 0            | 1  |
| PL.23930     | PL.6483     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.92                     | 0.28         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 3.210                               | 0.112 | 0    | 0          | 0            | 1  |
| 428406       | PL.23930    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.92                     | 0.28         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 3.210                               | 0.000 | 4    | 0          | 1            | 1  |
| 428530       | PL.6482     | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.92                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.046                               | 0.000 | 0    | 0          | 1            | 1  |
| 428501       | PL.23932    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.92                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.986                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.6481      | PL.10220    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.02            | 0.93                     | 4.50         | 2        | 67         | 7       | 99         | 0.01      | 0.0               | 2.828                               | 0.163 | 0    | 0          | 0            | 32 |
| PL.18261     | PL.6481     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.93                     | 2.42         | 1        | 36         | 4       | 99         | 0.00      | 0.0               | 2.838                               | 0.010 | 0    | 0          | 0            | 15 |
| PD.2641      | PL.18261    | C   | 25E                | 15.01Y    | 125.1        | 0.00            | 0.93                     | 2.42         | 10       | 36         | 4       | 99         | 0.00      | 0.0               | 2.838                               | 0.000 | 0    | 0          | 0            | 15 |
| PL.18262     | PD.2641     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.01            | 0.93                     | 2.42         | 1        | 36         | 4       | 99         | 0.00      | 0.0               | 2.971                               | 0.133 | 0    | 0          | 0            | 15 |
| 428409       | PL.18262    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.93                     | 0.21         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.971                               | 0.000 | 3    | 0          | 1            | 1  |
| 428407       | PL.18262    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.93                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.971                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.10209     | PL.18262    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.02            | 0.95                     | 1.80         | 1        | 27         | 3       | 99         | 0.00      | 0.0               | 3.390                               | 0.418 | 0    | 0          | 0            | 12 |
| PL.22956     | PL.10209    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.01            | 0.96                     | 1.58         | 1        | 24         | 2       | 100        | 0.00      | 0.0               | 3.587                               | 0.197 | 0    | 0          | 0            | 10 |
| PD.2740-A    | PL.22956    | C   | Closed             | 15.01Y    | 125.0        | 0.00            | 0.96                     | 1.58         | 0        | 24         | 2       | 100        | 0.00      | 0.0               | 3.587                               | 0.000 | 0    | 0          | 0            | 10 |
| PD.2740-B    | PD.2740-A   | C   | Closed             | 15.01Y    | 125.0        | 0.00            | 0.96                     | 1.58         | 0        | 24         | 2       | 100        | 0.00      | 0.0               | 3.587                               | 0.000 | 0    | 0          | 0            | 10 |
| PL.22957     | PD.2740-B   | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 1.58         | 1        | 24         | 2       | 100        | 0.00      | 0.0               | 3.592                               | 0.005 | 0    | 0          | 0            | 10 |
| 428401       | PL.22957    | C   | Consumer           | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.592                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.10206     | PL.22957    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.96                     | 1.51         | 1        | 22         | 2       | 100        | 0.00      | 0.0               | 3.695                               | 0.103 | 0    | 0          | 0            | 9  |
| PL.33827     | PL.10206    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.704                               | 0.009 | 0    | 0          | 0            | 0  |
| PD.4056      | PL.33827    | C   | fuse6AMP           | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.704                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.33828     | PD.4056     | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.966                               | 0.262 | 0    | 0          | 0            | 0  |
| 428405       | PL.33828    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.966                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.10207     | PL.10206    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.96                     | 1.51         | 1        | 22         | 2       | 100        | 0.00      | 0.0               | 3.820                               | 0.125 | 0    | 0          | 0            | 9  |
| 428404       | PL.10207    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.19         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.820                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.6480      | PL.10207    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 1.32         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 3.962                               | 0.142 | 0    | 0          | 0            | 8  |
| PL.6678      | PL.6480     | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 1.32         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 4.020                               | 0.059 | 0    | 0          | 0            | 8  |
| 429304       | PL.6678     | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.05         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.020                               | 0.000 | 1    | 0          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 429303       | PL.6678     | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.10         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 4.020                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.33921     | PL.6678     | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 1.17         | 1        | 18         | 2         | 99         | 0.00      | 0.0               | 4.169                               | 0.148 | 0    | 0          | 0            | 6  |
| 4293008      | PL.33921    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.28         | 0        | 4          | 0         | 100        | 0.00      | 0.0               | 4.169                               | 0.000 | 4    | 0          | 1            | 1  |
| PL.33922     | PL.33921    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.89         | 0        | 13         | 1         | 100        | 0.00      | 0.0               | 4.208                               | 0.040 | 0    | 0          | 0            | 5  |
| PL.33831     | PL.33922    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.74         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 4.234                               | 0.026 | 0    | 0          | 0            | 1  |
| PD.4058      | PL.33831    | C   | fuse6AMP           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.74         | 13       | 11         | 1         | 100        | 0.00      | 0.0               | 4.234                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.33832     | PD.4058     | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.98                     | 0.74         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 4.345                               | 0.111 | 0    | 0          | 0            | 1  |
| PL.25539     | PL.33832    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.98                     | 0.74         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 4.465                               | 0.120 | 0    | 0          | 0            | 1  |
| PL.25540     | PL.25539    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.01            | 0.99                     | 0.74         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 4.984                               | 0.518 | 0    | 0          | 0            | 1  |
| 429305       | PL.25540    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.99                     | 0.74         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 4.984                               | 0.000 | 11   | 1          | 1            | 1  |
| PL.2386      | PL.25539    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.98                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.739                               | 0.274 | 0    | 0          | 0            | 0  |
| 428304       | PL.2386     | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.98                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.739                               | 0.000 | 0    | 0          | 0            | 0  |
| 429301       | PL.33832    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.98                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.345                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.33833     | PL.33922    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.10         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 4.223                               | 0.015 | 0    | 0          | 0            | 2  |
| PD.4059      | PL.33833    | C   | fuse6AMP           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.10         | 2        | 2          | 0         | 100        | 0.00      | 0.0               | 4.223                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.33834     | PD.4059     | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.10         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 4.550                               | 0.327 | 0    | 0          | 0            | 2  |
| PL.10204     | PL.33834    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.10         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 4.570                               | 0.020 | 0    | 0          | 0            | 2  |
| 4803009      | PL.10204    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.10         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 4.570                               | 0.000 | 2    | 0          | 1            | 1  |
| 480305       | PL.10204    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.570                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.10205     | PL.10204    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.243                               | 0.673 | 0    | 0          | 0            | 0  |
| 480306       | PL.10205    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.243                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.2385      | PL.33834    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.550                               | 0.000 | 0    | 0          | 0            | 0  |
| 429302       | PL.33922    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.04         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.208                               | 0.000 | 1    | 0          | 1            | 1  |
| 429306       | PL.33922    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.208                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.33829     | PL.10209    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.95                     | 0.22         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 3.397                               | 0.007 | 0    | 0          | 0            | 2  |
| PD.4057      | PL.33829    | C   | fuse6AMP           | 15.01Y    | 125.1        | 0.00            | 0.95                     | 0.22         | 4        | 3          | 0         | 100        | 0.00      | 0.0               | 3.397                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.33830     | PD.4057     | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.95                     | 0.22         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 3.498                               | 0.101 | 0    | 0          | 0            | 2  |
| PL.23937     | PL.33830    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.95                     | 0.22         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 3.617                               | 0.119 | 0    | 0          | 0            | 2  |
| PL.23935     | PL.23937    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.95                     | 0.22         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 3.734                               | 0.117 | 0    | 0          | 0            | 1  |
| 429401       | PL.23935    | C   | Consumer           | 15.01Y    | 125.0        | 0.00            | 0.95                     | 0.22         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 3.734                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.23936     | PL.23937    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.95                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.735                               | 0.118 | 0    | 0          | 0            | 1  |
| 429406       | PL.23936    | C   | Consumer           | 15.01Y    | 125.0        | 0.00            | 0.95                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.735                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.33835     | PL.18262    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.93                     | 0.40         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 2.987                               | 0.015 | 0    | 0          | 0            | 2  |
| PD.4060      | PL.33835    | C   | fuse6AMP           | 15.01Y    | 125.1        | 0.00            | 0.93                     | 0.40         | 7        | 6          | 1         | 99         | 0.00      | 0.0               | 2.987                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.33836     | PD.4060     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.93                     | 0.40         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 3.065                               | 0.079 | 0    | 0          | 0            | 2  |
| 428408       | PL.33836    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.93                     | 0.03         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.065                               | 0.000 | 0    | 0          | 1            | 1  |
| 428402       | PL.33836    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.93                     | 0.37         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 3.065                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.45907     | PL.6481     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.93                     | 2.08         | 1        | 31         | 3         | 100        | 0.00      | 0.0               | 2.855                               | 0.027 | 0    | 0          | 0            | 17 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |                      |    | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |   | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|----------------------|----|------------|------|---------|------------|-----------|-------------------|-------------------|---|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | mi<br>Length<br>(mi) | KW |            |      |         |            |           |                   | KVAR              |   |            |              |
| PD.8682      | PL.45907    | C   | 25E                | 15.01Y    | 125.1        | 0.00            | 0.93                     | 2.08         | 8        | 31                   | 3  | 100        | 0.00 | 0.0     | 2.855      | 0.000     | 0                 | 0                 | 0 | 17         |              |
| PL.45908     | PD.8682     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.01            | 0.94                     | 2.08         | 1        | 31                   | 3  | 100        | 0.00 | 0.0     | 3.062      | 0.207     | 0                 | 0                 | 0 | 17         |              |
| PL.10212     | PL.45908    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.01            | 0.94                     | 1.11         | 1        | 17                   | 1  | 100        | 0.00 | 0.0     | 3.288      | 0.225     | 0                 | 0                 | 0 | 15         |              |
| PL.10213     | PL.10212    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.94                     | 1.11         | 1        | 17                   | 1  | 100        | 0.00 | 0.0     | 3.368      | 0.081     | 0                 | 0                 | 0 | 14         |              |
| PL.45803     | PL.10213    | C   | 1/0EPRJCN          | 15.01Y    | 125.1        | 0.00            | 0.94                     | 0.07         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 3.388      | 0.020     | 0                 | 0                 | 0 | 1          |              |
| 429407       | PL.45803    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.94                     | 0.06         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 3.388      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| PL.6491      | PL.10213    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.95                     | 1.05         | 1        | 16                   | 2  | 99         | 0.00 | 0.0     | 3.434      | 0.066     | 0                 | 0                 | 0 | 13         |              |
| PL.7173      | PL.6491     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.95                     | 1.05         | 1        | 16                   | 2  | 99         | 0.00 | 0.0     | 3.499      | 0.065     | 0                 | 0                 | 0 | 13         |              |
| PL.10214     | PL.7173     | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.95                     | 1.05         | 1        | 16                   | 2  | 99         | 0.00 | 0.0     | 3.671      | 0.172     | 0                 | 0                 | 0 | 13         |              |
| 480409       | PL.10214    | C   | Consumer           | 15.01Y    | 125.0        | 0.00            | 0.95                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 3.671      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| PL.10215     | PL.10214    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.95                     | 1.05         | 1        | 16                   | 2  | 99         | 0.00 | 0.0     | 3.681      | 0.010     | 0                 | 0                 | 0 | 12         |              |
| PD.447-A     | PL.10215    | C   | Closed             | 15.01Y    | 125.0        | 0.00            | 0.95                     | 1.05         | 0        | 16                   | 2  | 99         | 0.00 | 0.0     | 3.681      | 0.000     | 0                 | 0                 | 0 | 12         |              |
| PD.447-B     | PD.447-A    | C   | Closed             | 15.01Y    | 125.0        | 0.00            | 0.95                     | 1.05         | 0        | 16                   | 2  | 99         | 0.00 | 0.0     | 3.681      | 0.000     | 0                 | 0                 | 0 | 12         |              |
| PL.20274     | PD.447-B    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.95                     | 1.05         | 1        | 16                   | 2  | 99         | 0.00 | 0.0     | 3.736      | 0.055     | 0                 | 0                 | 0 | 12         |              |
| PL.20275     | PL.20274    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 1.05         | 1        | 16                   | 2  | 99         | 0.00 | 0.0     | 3.896      | 0.160     | 0                 | 0                 | 0 | 12         |              |
| PL.33841     | PL.20275    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.02         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 3.904      | 0.008     | 0                 | 0                 | 0 | 1          |              |
| PD.4063      | PL.33841    | C   | fuse6AMP           | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.02         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 3.904      | 0.000     | 0                 | 0                 | 0 | 1          |              |
| PL.33842     | PD.4063     | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.02         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 4.086      | 0.182     | 0                 | 0                 | 0 | 1          |              |
| PL.3099      | PL.33842    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 4.393      | 0.307     | 0                 | 0                 | 0 | 0          |              |
| PL.7165      | PL.33842    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.02         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 4.147      | 0.061     | 0                 | 0                 | 0 | 1          |              |
| 480411       | PL.7165     | C   | Consumer           | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.02         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 4.147      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| PL.7166      | PL.7165     | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 4.232      | 0.085     | 0                 | 0                 | 0 | 0          |              |
| PL.3103      | PL.7166     | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 4.292      | 0.059     | 0                 | 0                 | 0 | 0          |              |
| 480412       | PL.3103     | C   | Consumer           | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 4.292      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| PL.3102      | PL.33842    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 4.187      | 0.101     | 0                 | 0                 | 0 | 0          |              |
| PL.10198     | PL.20275    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 1.02         | 1        | 15                   | 2  | 99         | 0.00 | 0.0     | 3.943      | 0.047     | 0                 | 0                 | 0 | 11         |              |
| PL.7167      | PL.10198    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.86         | 0        | 13                   | 1  | 100        | 0.00 | 0.0     | 4.040      | 0.097     | 0                 | 0                 | 0 | 6          |              |
| PL.45806     | PL.7167     | C   | 4ACSR              | 15.00Y    | 125.0        | 0.01            | 0.96                     | 0.86         | 0        | 13                   | 1  | 100        | 0.00 | 0.0     | 4.377      | 0.337     | 0                 | 0                 | 0 | 6          |              |
| 4804025      | PL.45806    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 4.377      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| PL.45807     | PL.45806    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.86         | 0        | 13                   | 1  | 100        | 0.00 | 0.0     | 4.383      | 0.006     | 0                 | 0                 | 0 | 6          |              |
| PL.10200     | PL.45807    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.86         | 0        | 13                   | 1  | 100        | 0.00 | 0.0     | 4.516      | 0.133     | 0                 | 0                 | 0 | 5          |              |
| PL.3098      | PL.10200    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.59         | 0        | 9                    | 1  | 99         | 0.00 | 0.0     | 4.553      | 0.037     | 0                 | 0                 | 0 | 3          |              |
| 481420       | PL.3098     | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.39         | 0        | 6                    | 1  | 99         | 0.00 | 0.0     | 4.553      | 0.000     | 6                 | 1                 | 1 | 1          |              |
| 481413       | PL.3098     | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.19         | 0        | 3                    | 0  | 100        | 0.00 | 0.0     | 4.553      | 0.000     | 3                 | 0                 | 1 | 1          |              |
| 481419       | PL.3098     | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 4.553      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| 481416       | PL.3098     | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.01         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 4.553      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| PL.10201     | PL.10200    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.28         | 0        | 4                    | 0  | 100        | 0.00 | 0.0     | 4.629      | 0.113     | 0                 | 0                 | 0 | 2          |              |
| 480417       | PL.10201    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.28         | 0        | 4                    | 0  | 100        | 0.00 | 0.0     | 4.629      | 0.000     | 4                 | 0                 | 1 | 1          |              |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 480419       | PL.10201    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.97                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.629                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.33845     | PL.45807    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.388                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.4065      | PL.33845    | C   | fuse6AMP           | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.388                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.33846     | PD.4065     | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.433                               | 0.045 | 0    | 0          | 0            | 1 |
| PL.10202     | PL.33846    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.442                               | 0.009 | 0    | 0          | 0            | 1 |
| PD.1622-A    | PL.10202    | C   | Closed             | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.442                               | 0.000 | 0    | 0          | 0            | 1 |
| PD.1622-B    | PD.1622-A   | C   | Closed             | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.442                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.10203     | PD.1622-B   | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.507                               | 0.065 | 0    | 0          | 0            | 1 |
| 481423       | PL.10203    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.507                               | 0.000 | 0    | 0          | 1            | 1 |
| 480402       | PL.7167     | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.040                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.33843     | PL.10198    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.957                               | 0.014 | 0    | 0          | 0            | 5 |
| PD.4064      | PL.33843    | C   | fuse6AMP           | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.16         | 3        | 2          | 0       | 100        | 0.00      | 0.0               | 3.957                               | 0.000 | 0    | 0          | 0            | 5 |
| PL.33844     | PD.4064     | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.311                               | 0.354 | 0    | 0          | 0            | 5 |
| 480410       | PL.33844    | C   | Consumer           | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.311                               | 0.000 | 0    | 0          | 1            | 1 |
| 480415       | PL.33844    | C   | Consumer           | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.14         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.311                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.7172      | PL.33844    | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.518                               | 0.206 | 0    | 0          | 0            | 3 |
| PL.7170      | PL.7172     | C   | 4ACSR              | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.616                               | 0.098 | 0    | 0          | 0            | 2 |
| 480420       | PL.7170     | C   | Consumer           | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.616                               | 0.000 | 0    | 0          | 1            | 1 |
| 480418       | PL.7170     | C   | Consumer           | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.616                               | 0.000 | 0    | 0          | 1            | 1 |
| 480414       | PL.7172     | C   | Consumer           | 15.01Y    | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.518                               | 0.000 | 0    | 0          | 1            | 1 |
| 480416       | PL.7173     | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.95                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.499                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.33839     | PL.10212    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.94                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.295                               | 0.007 | 0    | 0          | 0            | 1 |
| PD.4062      | PL.33839    | C   | fuse6AMP           | 15.01Y    | 125.1        | 0.00            | 0.94                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.295                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.33840     | PD.4062     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.94                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.388                               | 0.093 | 0    | 0          | 0            | 1 |
| PL.6478      | PL.33840    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.94                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.388                               | 0.000 | 0    | 0          | 0            | 1 |
| 429405       | PL.6478     | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.94                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.388                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.33837     | PL.45908    | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.94                     | 0.97         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 3.068                               | 0.006 | 0    | 0          | 0            | 2 |
| PD.4061      | PL.33837    | C   | fuse6AMP           | 15.01Y    | 125.1        | 0.00            | 0.94                     | 0.97         | 17       | 14         | 1       | 100        | 0.00      | 0.0               | 3.068                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.33838     | PD.4061     | C   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.94                     | 0.97         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 3.152                               | 0.084 | 0    | 0          | 0            | 2 |
| 429403       | PL.33838    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.94                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.152                               | 0.000 | 7    | 1          | 1            | 1 |
| 4294008      | PL.33838    | C   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.94                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.152                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.10223     | PL.10228    | C   | 4ACSR              | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.90         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 2.366                               | 0.010 | 0    | 0          | 0            | 2 |
| PD.1349      | PL.10223    | C   | fuse6AMP           | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.90         | 15       | 14         | 1       | 100        | 0.00      | 0.0               | 2.366                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.10224     | PD.1349     | C   | 4ACSR              | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.90         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 2.414                               | 0.048 | 0    | 0          | 0            | 2 |
| PL.23927     | PL.10224    | C   | 4ACSR              | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.05         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.454                               | 0.040 | 0    | 0          | 0            | 1 |
| PL.23928     | PL.23927    | C   | 4ACSR              | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.05         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.506                               | 0.052 | 0    | 0          | 0            | 1 |
| 428514       | PL.23928    | C   | Consumer           | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.05         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.506                               | 0.000 | 1    | 0          | 1            | 1 |
| 428511       | PL.10224    | C   | Consumer           | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.85         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 2.414                               | 0.000 | 13   | 1          | 1            | 1 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.10221     | PL.10227    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.84                     | 1.42         | 1        | 21         | 2       | 100        | 0.00      | 0.0               | 2.163                               | 0.016 | 0    | 0          | 0            | 3 |
| PD.1348      | PL.10221    | C   | fuse6AMP           | 15.02Y    | 125.2        | 0.00            | 0.84                     | 1.42         | 24       | 21         | 2       | 100        | 0.00      | 0.0               | 2.163                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.10222     | PD.1348     | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.85                     | 1.42         | 1        | 21         | 2       | 100        | 0.00      | 0.0               | 2.279                               | 0.116 | 0    | 0          | 0            | 3 |
| PL.29572     | PL.10222    | C   | 4ACSR              | 15.02Y    | 125.2        | 0.00            | 0.85                     | 0.80         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 2.359                               | 0.080 | 0    | 0          | 0            | 2 |
| 428505       | PL.29572    | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.85                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.359                               | 0.000 | 0    | 0          | 1            | 1 |
| 428529       | PL.29572    | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.85                     | 0.78         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 2.359                               | 0.000 | 12   | 1          | 1            | 1 |
| 428528       | PL.10222    | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.85                     | 0.62         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.279                               | 0.000 | 9    | 1          | 1            | 1 |
| 429520       | PL.6479     | C   | Consumer           | 15.02Y    | 125.2        | 0.00            | 0.82                     | 0.39         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.036                               | 0.000 | 6    | 1          | 1            | 1 |
| 429504       | PL.10167    | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.77                     | 0.25         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 1.809                               | 0.000 | 4    | 0          | 1            | 1 |
| PL.10161     | PL.10160    | C   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.916                               | 0.008 | 0    | 0          | 0            | 1 |
| PD.1689      | PL.10161    | C   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.49                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.916                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.10162     | PD.1689     | C   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.966                               | 0.049 | 0    | 0          | 0            | 1 |
| 480615       | PL.10162    | C   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.49                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.966                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.10157     | PL.10154    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.53                     | 4.20         | 2        | 63         | 7       | 99         | 0.00      | 0.0               | 0.743                               | 0.004 | 0    | 0          | 0            | 7 |
| PD.1691      | PL.10157    | A   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.53                     | 4.20         | 72       | 63         | 7       | 99         | 0.00      | 0.0               | 0.743                               | 0.000 | 0    | 0          | 0            | 7 |
| PL.10158     | PD.1691     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.01            | 0.54                     | 4.20         | 2        | 63         | 7       | 99         | 0.00      | 0.0               | 0.813                               | 0.069 | 0    | 0          | 0            | 7 |
| PL.2657      | PL.10158    | A   | 4ACSR              | 15.05Y    | 125.5        | 0.00            | 0.54                     | 0.97         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 0.870                               | 0.058 | 0    | 0          | 0            | 1 |
| 480602       | PL.2657     | A   | Consumer           | 15.05Y    | 125.5        | 0.00            | 0.54                     | 0.97         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 0.870                               | 0.000 | 15   | 2          | 1            | 1 |
| 480620       | PL.10158    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.54                     | 0.27         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 0.813                               | 0.000 | 4    | 0          | 1            | 1 |
| PL.10159     | PL.10158    | A   | 4ACSR              | 15.05Y    | 125.5        | 0.00            | 0.54                     | 2.96         | 2        | 44         | 5       | 99         | 0.00      | 0.0               | 0.871                               | 0.059 | 0    | 0          | 0            | 5 |
| PL.7175      | PL.10159    | A   | 4ACSR              | 15.05Y    | 125.5        | 0.00            | 0.55                     | 2.96         | 2        | 44         | 5       | 99         | 0.00      | 0.0               | 0.895                               | 0.023 | 0    | 0          | 0            | 5 |
| 480514       | PL.7175     | A   | Consumer           | 15.05Y    | 125.5        | 0.00            | 0.55                     | 0.25         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 0.895                               | 0.000 | 4    | 0          | 1            | 1 |
| PL.7176      | PL.7175     | A   | 4ACSR              | 15.05Y    | 125.5        | 0.00            | 0.55                     | 2.70         | 1        | 40         | 4       | 100        | 0.00      | 0.0               | 0.961                               | 0.067 | 0    | 0          | 0            | 4 |
| PL.45828     | PL.7176     | A   | 2ACSR              | 15.05Y    | 125.5        | 0.00            | 0.55                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.024                               | 0.063 | 0    | 0          | 0            | 0 |
| 4805020      | PL.45828    | A   | Consumer           | 15.05Y    | 125.5        | 0.00            | 0.55                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.024                               | 0.000 | 0    | 0          | 0            | 0 |
| 480510       | PL.7176     | A   | Consumer           | 15.05Y    | 125.5        | 0.00            | 0.55                     | 0.70         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 0.961                               | 0.000 | 10   | 1          | 1            | 1 |
| 480506       | PL.7176     | A   | Consumer           | 15.05Y    | 125.5        | 0.00            | 0.55                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.961                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.3292      | PL.7176     | A   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.55                     | 2.01         | 1        | 30         | 3       | 100        | 0.00      | 0.0               | 1.022                               | 0.061 | 0    | 0          | 0            | 3 |
| PL.3293      | PL.3292     | A   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.56                     | 2.01         | 1        | 30         | 3       | 100        | 0.00      | 0.0               | 1.113                               | 0.091 | 0    | 0          | 0            | 3 |
| PL.3294      | PL.3293     | A   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.56                     | 2.01         | 1        | 30         | 3       | 100        | 0.00      | 0.0               | 1.215                               | 0.102 | 0    | 0          | 0            | 3 |
| PL.3295      | PL.3294     | A   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.56                     | 1.41         | 1        | 21         | 2       | 100        | 0.00      | 0.0               | 1.262                               | 0.048 | 0    | 0          | 0            | 2 |
| 480512       | PL.3295     | A   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.91         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 1.262                               | 0.000 | 14   | 1          | 1            | 1 |
| 480515       | PL.3295     | A   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.50         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.262                               | 0.000 | 7    | 1          | 1            | 1 |
| 480505       | PL.3294     | A   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.59         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.215                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.3291      | PL.3293     | A   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.196                               | 0.084 | 0    | 0          | 0            | 0 |
| 480516       | PL.3291     | A   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.196                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.10155     | PL.10154    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.43                     | 0.99         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 0.747                               | 0.008 | 0    | 0          | 0            | 1 |
| PD.1690      | PL.10155    | C   | fuse6AMP           | 15.07Y    | 125.6        | 0.00            | 0.43                     | 0.99         | 17       | 15         | 2       | 99         | 0.00      | 0.0               | 0.747                               | 0.000 | 0    | 0          | 0            | 1 |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 4 (SIDEVIEW4) beginning with Device PD.3906.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | Length<br>(mi) | Element |     | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|----------------|---------|-----|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | KW    | KVAR  |                   |                |         |     |            |              |
| PL.10149     | PL.7069     | A   | 4/0ACSR            | 7.52Y     | 125.3        | 0.04            | 0.67                     | 139.29       | 30       | 1033       | 176  | 99      | 0.52       | 0.0       | 0.414 | 0.027 | 0                 | 0              | 0       | 142 |            |              |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.03            | 0.40                     | 127.28       | 27       | 949        | 142  | 99      |            |           |       |       | 0                 | 0              | 0       | 197 |            |              |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.02            | 0.29                     | 95.64        | 20       | 716        | 89   | 99      |            |           |       |       | 0                 | 0              | 0       | 154 |            |              |
| PL.10147     | PL.10149    | B   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.40                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.427 | 0.013 | 0                 | 0              | 0       | 0   |            |              |
| PD.1615      | PL.10147    | B   | fuse6AMP           | 7.54Y     | 125.6        | 0.00            | 0.40                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.427 | 0.000 | 0                 | 0              | 0       | 0   |            |              |
| PL.10146     | PD.1615     | B   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.40                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.466 | 0.039 | 0                 | 0              | 0       | 0   |            |              |
| PL.10150     | PL.10149    | A   | 4/0ACSR            | 7.52Y     | 125.3        | 0.05            | 0.72                     | 139.29       | 30       | 1033       | 175  | 99      | 0.57       | 0.0       | 0.443 | 0.029 | 0                 | 0              | 0       | 142 |            |              |
|              |             | B   |                    | 7.53Y     | 125.6        | 0.03            | 0.42                     | 127.28       | 27       | 949        | 142  | 99      |            |           |       |       | 0                 | 0              | 0       | 197 |            |              |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.02            | 0.31                     | 95.64        | 20       | 716        | 89   | 99      |            |           |       |       | 0                 | 0              | 0       | 154 |            |              |
| 481516       | PL.10150    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.85         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 0.443 | 0.000 | 6                 | 1              | 1       | 1   |            |              |
| 481514       | PL.10150    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.08         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 0.443 | 0.000 | 1                 | 0              | 0       | 0   |            |              |
|              |             | B   |                    | 7.53Y     | 125.6        | 0.00            | 0.42                     | 0.08         | 0        | 1          | 0    | 99      |            |           |       |       | 1                 | 0              | 0       | 0   |            |              |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.08         | 0        | 1          | 0    | 99      |            |           |       |       | 1                 | 0              | 0       | 0   |            |              |
| PL.10148     | PL.10150    | A   | 4/0ACSR            | 7.51Y     | 125.2        | 0.05            | 0.77                     | 139.21       | 30       | 1032       | 175  | 99      | 0.65       | 0.0       | 0.477 | 0.034 | 0                 | 0              | 0       | 142 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.03            | 0.46                     | 127.20       | 27       | 948        | 141  | 99      |            |           |       |       | 0                 | 0              | 0       | 197 |            |              |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.02            | 0.33                     | 93.55        | 20       | 700        | 87   | 99      |            |           |       |       | 0                 | 0              | 0       | 152 |            |              |
| PL.10144     | PL.10148    | A   | 4/0ACSR            | 7.51Y     | 125.1        | 0.11            | 0.89                     | 139.21       | 30       | 1031       | 174  | 99      | 1.34       | 0.1       | 0.546 | 0.069 | 0                 | 0              | 0       | 142 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.06            | 0.52                     | 127.20       | 27       | 948        | 141  | 99      |            |           |       |       | 0                 | 0              | 0       | 197 |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.05            | 0.38                     | 93.55        | 20       | 700        | 87   | 99      |            |           |       |       | 0                 | 0              | 0       | 152 |            |              |
| PL.20627     | PL.10144    | A   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.89                     | 0.37         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 0.598 | 0.052 | 0                 | 0              | 0       | 1   |            |              |
| 481520       | PL.20627    | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.89                     | 0.37         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 0.598 | 0.000 | 3                 | 0              | 1       | 1   |            |              |
| PL.20628     | PL.20627    | A   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.89                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.633 | 0.035 | 0                 | 0              | 0       | 0   |            |              |
| 481521       | PL.20628    | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.89                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.633 | 0.000 | 0                 | 0              | 0       | 0   |            |              |
| PL.10145     | PL.10144    | A   | 4/0ACSR            | 7.50Y     | 125.1        | 0.06            | 0.94                     | 138.85       | 30       | 1028       | 173  | 99      | 0.67       | 0.0       | 0.581 | 0.035 | 0                 | 0              | 0       | 141 |            |              |
|              |             | B   |                    | 7.53Y     | 125.4        | 0.03            | 0.55                     | 127.20       | 27       | 947        | 140  | 99      |            |           |       |       | 0                 | 0              | 0       | 197 |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.02            | 0.40                     | 93.55        | 20       | 700        | 86   | 99      |            |           |       |       | 0                 | 0              | 0       | 152 |            |              |
| PL.10142     | PL.10145    | A   | 4/0ACSR            | 7.50Y     | 125.0        | 0.06            | 1.01                     | 138.85       | 30       | 1027       | 172  | 99      | 0.76       | 0.0       | 0.620 | 0.040 | 0                 | 0              | 0       | 141 |            |              |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.04            | 0.59                     | 127.20       | 27       | 947        | 139  | 99      |            |           |       |       | 0                 | 0              | 0       | 197 |            |              |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.03            | 0.43                     | 93.55        | 20       | 700        | 86   | 99      |            |           |       |       | 0                 | 0              | 0       | 152 |            |              |
| PL.23956     | PL.10142    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.01                     | 2.16         | 1        | 16         | 2    | 99      | 0.00       | 0.0       | 0.651 | 0.031 | 0                 | 0              | 0       | 2   |            |              |
| 481517       | PL.23956    | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.01                     | 1.21         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 0.651 | 0.000 | 9                 | 1              | 1       | 1   |            |              |
| PL.23960     | PL.23956    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.01                     | 0.95         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 0.710 | 0.059 | 0                 | 0              | 0       | 1   |            |              |
| 481518       | PL.23960    | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.01                     | 0.95         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 0.710 | 0.000 | 7                 | 1              | 1       | 1   |            |              |
| PL.36676     | PL.10142    | A   | 4/0ACSR            | 7.50Y     | 125.0        | 0.02            | 1.03                     | 136.69       | 29       | 1011       | 170  | 99      | 0.25       | 0.0       | 0.633 | 0.013 | 0                 | 0              | 0       | 139 |            |              |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.01            | 0.60                     | 127.20       | 27       | 947        | 139  | 99      |            |           |       |       | 0                 | 0              | 0       | 197 |            |              |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.01            | 0.44                     | 93.55        | 20       | 700        | 86   | 99      |            |           |       |       | 0                 | 0              | 0       | 152 |            |              |
| 4815024      | PL.36676    | B   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.60                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 0.633 | 0.000 | 2                 | 0              | 1       | 1   |            |              |
| PL.36677     | PL.36676    | A   | 4/0ACSR            | 7.50Y     | 124.9        | 0.03            | 1.06                     | 136.69       | 29       | 1011       | 170  | 99      | 0.35       | 0.0       | 0.652 | 0.018 | 0                 | 0              | 0       | 139 |            |              |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.02            | 0.62                     | 126.94       | 27       | 945        | 139  | 99      |            |           |       |       | 0                 | 0              | 0       | 196 |            |              |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.01            | 0.45                     | 93.55        | 20       | 699        | 86   | 99      |            |           |       |       | 0                 | 0              | 0       | 152 |            |              |
| PL.36675     | PL.36677    | A   | 4/0ACSR            | 7.49Y     | 124.9        | 0.06            | 1.12                     | 136.69       | 29       | 1011       | 169  | 99      | 0.72       | 0.0       | 0.690 | 0.038 | 0                 | 0              | 0       | 139 |            |              |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.03            | 0.65                     | 124.97       | 27       | 930        | 137  | 99      |            |           |       |       | 0                 | 0              | 0       | 195 |            |              |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.03            | 0.48                     | 93.55        | 20       | 699        | 86   | 99      |            |           |       |       | 0                 | 0              | 0       | 152 |            |              |
| PL.10138     | PL.36675    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.65                     | 0.72         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 0.701 | 0.011 | 0                 | 0              | 0       | 1   |            |              |
| PD.1618      | PL.10138    | B   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.65                     | 0.72         | 12       | 5          | 1    | 98      | 0.00       | 0.0       | 0.701 | 0.000 | 0                 | 0              | 0       | 1   |            |              |
| PL.10139     | PD.1618     | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.66                     | 0.72         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 0.806 | 0.105 | 0                 | 0              | 0       | 1   |            |              |
| 481507       | PL.10139    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.66                     | 0.72         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 0.806 | 0.000 | 5                 | 1              | 1       | 1   |            |              |
| PL.10140     | PL.36675    | A   | 4ACSR              | 7.49Y     | 124.9        | 0.00            | 1.12                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.700 | 0.011 | 0                 | 0              | 0       | 0   |            |              |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PD.1616, PL.10141, 481506, etc.



Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.38766, 481412, 481407, etc.

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.26971, PL.26964, PL.14895, etc.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.23492     | PL.23490    | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.27   | 1.47         | 1        | 11         | 1       | 100        | 0.00      | 0.0               | 5.548                               | 0.049 | 0    | 0          | 0            | 3  |
| PL.23493     | PL.23492    | C   | 4ACSR              | 7.42Y     | 123.7        | 0.01            | 2.27   | 1.47         | 1        | 11         | 1       | 100        | 0.00      | 0.0               | 5.645                               | 0.096 | 0    | 0          | 0            | 2  |
| PL.23494     | PL.23493    | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.27   | 1.47         | 1        | 11         | 1       | 100        | 0.00      | 0.0               | 5.672                               | 0.027 | 0    | 0          | 0            | 2  |
| PL.23495     | PL.23494    | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.28   | 1.47         | 1        | 11         | 1       | 100        | 0.00      | 0.0               | 5.707                               | 0.035 | 0    | 0          | 0            | 2  |
| PL.23496     | PL.23495    | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.28   | 1.47         | 1        | 11         | 1       | 100        | 0.00      | 0.0               | 5.751                               | 0.045 | 0    | 0          | 0            | 2  |
| 483317       | PL.23496    | C   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.28   | 0.61         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 5.751                               | 0.000 | 5    | 0          | 1            | 1  |
| 483311       | PL.23496    | C   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.28   | 0.86         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.751                               | 0.000 | 6    | 1          | 1            | 1  |
| 483301       | PL.23492    | C   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.27   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.548                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.10780     | PL.10782    | A   | 4ACSR              | 7.19Y     | 119.8        | 0.04            | 6.19   | 21.65        | 11       | 155        | 17      | 99         | 0.13      | 0.0               | 5.343                               | 0.038 | 0    | 0          | 0            | 27 |
|              |             | B   |                    | 7.29Y     | 121.5        | 0.04            | 4.54   | 31.85        | 16       | 231        | 25      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 36 |
|              |             | C   |                    | 7.43Y     | 123.8        | 0.00            | 2.24   | 5.41         | 3        | 40         | 4       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 8  |
| 483312       | PL.10780    | A   | Consumer           | 7.19Y     | 119.8        | 0.00            | 6.19   | 1.79         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 5.343                               | 0.000 | 13   | 1          | 1            | 1  |
| PL.7190      | PL.10780    | A   | 4ACSR              | 7.19Y     | 119.8        | 0.06            | 6.24   | 19.86        | 10       | 142        | 15      | 99         | 0.19      | 0.0               | 5.401                               | 0.058 | 0    | 0          | 0            | 26 |
|              |             | B   |                    | 7.28Y     | 121.4        | 0.07            | 4.61   | 31.85        | 16       | 231        | 25      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 36 |
|              |             | C   |                    | 7.43Y     | 123.8        | -0.00           | 2.24   | 5.41         | 3        | 40         | 4       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 8  |
| PL.10776     | PL.7190     | A   | 4ACSR              | 7.18Y     | 119.7        | 0.03            | 6.27   | 19.86        | 10       | 142        | 15      | 99         | 0.09      | 0.0               | 5.429                               | 0.028 | 0    | 0          | 0            | 26 |
|              |             | B   |                    | 7.28Y     | 121.4        | 0.03            | 4.64   | 31.85        | 16       | 231        | 24      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 36 |
|              |             | C   |                    | 7.43Y     | 123.8        | -0.00           | 2.24   | 4.97         | 3        | 37         | 4       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 7  |
| PL.10777     | PL.10776    | A   | 4ACSR              | 7.17Y     | 119.6        | 0.18            | 6.45   | 19.03        | 10       | 136        | 15      | 99         | 0.50      | 0.1               | 5.627                               | 0.198 | 0    | 0          | 0            | 24 |
|              |             | B   |                    | 7.27Y     | 121.2        | 0.19            | 4.84   | 27.28        | 14       | 198        | 21      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 29 |
|              |             | C   |                    | 7.43Y     | 123.8        | 0.00            | 2.24   | 4.97         | 3        | 37         | 4       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 7  |
| PL.18826     | PL.10777    | A   | 4ACSR              | 7.17Y     | 119.6        | 0.00            | 6.45   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.661                               | 0.034 | 0    | 0          | 0            | 0  |
| PD.1630      | PL.18826    | A   | fuse6AMP           | 7.17Y     | 119.6        | 0.00            | 6.45   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.661                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.18827     | PD.1630     | A   | 4ACSR              | 7.17Y     | 119.6        | 0.00            | 6.45   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.824                               | 0.164 | 0    | 0          | 0            | 0  |
| PL.10775     | PL.10777    | A   | 4ACSR              | 7.17Y     | 119.5        | 0.10            | 6.55   | 19.03        | 10       | 136        | 15      | 99         | 0.27      | 0.1               | 5.735                               | 0.108 | 0    | 0          | 0            | 24 |
|              |             | B   |                    | 7.26Y     | 121.1        | 0.11            | 4.94   | 27.28        | 14       | 197        | 21      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 29 |
|              |             | C   |                    | 7.43Y     | 123.8        | 0.00            | 2.24   | 4.97         | 3        | 37         | 4       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 7  |
| PL.10497     | PL.10775    | A   | 336ACSR            | 7.17Y     | 119.4        | 0.02            | 6.57   | 19.03        | 3        | 136        | 15      | 99         | 0.04      | 0.0               | 5.836                               | 0.101 | 0    | 0          | 0            | 24 |
|              |             | B   |                    | 7.26Y     | 121.0        | 0.01            | 4.95   | 27.28        | 4        | 197        | 21      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 29 |
|              |             | C   |                    | 7.43Y     | 123.8        | -0.01           | 2.24   | 4.97         | 1        | 37         | 4       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 7  |
| PL.27773     | PL.10497    | B   | 4ACSR              | 7.26Y     | 121.0        | 0.00            | 4.96   | 18.39        | 9        | 133        | 14      | 99         | 0.00      | 0.0               | 5.842                               | 0.005 | 0    | 0          | 0            | 16 |
| PD.3550      | PL.27773    | B   | 25L                | 7.26Y     | 121.0        | 0.00            | 4.96   | 18.39        | 74       | 133        | 14      | 99         | 0.00      | 0.0               | 5.842                               | 0.000 | 0    | 0          | 0            | 16 |
| PL.27774     | PD.3550     | B   | 4ACSR              | 7.26Y     | 121.0        | 0.08            | 5.04   | 18.39        | 9        | 133        | 14      | 99         | 0.09      | 0.1               | 5.949                               | 0.107 | 0    | 0          | 0            | 16 |
| PL.23487     | PL.27774    | B   | 4ACSR              | 7.26Y     | 121.0        | 0.00            | 5.04   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.074                               | 0.126 | 0    | 0          | 0            | 0  |
| PL.10499     | PL.27774    | B   | 4ACSR              | 7.26Y     | 120.9        | 0.04            | 5.08   | 18.39        | 9        | 133        | 14      | 99         | 0.04      | 0.0               | 5.996                               | 0.047 | 0    | 0          | 0            | 16 |
| PL.10502     | PL.10499    | B   | 4ACSR              | 7.24Y     | 120.7        | 0.24            | 5.32   | 18.39        | 9        | 133        | 14      | 99         | 0.25      | 0.2               | 6.305                               | 0.309 | 0    | 0          | 0            | 16 |
| PL.7187      | PL.10502    | B   | 4ACSR              | 7.24Y     | 120.7        | 0.01            | 5.33   | 4.77         | 2        | 34         | 4       | 99         | 0.00      | 0.0               | 6.369                               | 0.063 | 0    | 0          | 0            | 6  |
| 484207       | PL.7187     | B   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.33   | 0.92         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 6.369                               | 0.000 | 7    | 1          | 1            | 1  |
| 484209       | PL.7187     | B   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.33   | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.369                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.7189      | PL.7187     | B   | 4ACSR              | 7.24Y     | 120.7        | 0.01            | 5.34   | 3.80         | 2        | 27         | 3       | 99         | 0.00      | 0.0               | 6.459                               | 0.091 | 0    | 0          | 0            | 4  |
| PL.7191      | PL.7189     | B   | 4ACSR              | 7.24Y     | 120.7        | 0.01            | 5.35   | 2.50         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 6.511                               | 0.051 | 0    | 0          | 0            | 3  |
| PL.19207     | PL.7191     | B   | 4ACSR              | 7.24Y     | 120.6        | 0.00            | 5.35   | 1.75         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 6.556                               | 0.045 | 0    | 0          | 0            | 2  |
| 483318       | PL.19207    | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.35   | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.556                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.19268     | PL.19207    | B   | 4ACSR              | 7.24Y     | 120.6        | 0.00            | 5.36   | 1.42         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 6.625                               | 0.069 | 0    | 0          | 0            | 1  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 483303       | PL.19268    | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.36                     | 1.42         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 6.625                               | 0.000 | 10   | 1          | 1            | 1  |
| 484325       | PL.7191     | B   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.35                     | 0.75         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 6.511                               | 0.000 | 5    | 1          | 1            | 1  |
| 484316       | PL.7189     | B   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.34                     | 1.30         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 6.459                               | 0.000 | 9    | 1          | 1            | 1  |
| 484208       | PL.10502    | B   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.32                     | 1.28         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 6.305                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.10503     | PL.10502    | B   | 4ACSR              | 7.23Y     | 120.6        | 0.10            | 5.42                     | 4.24         | 2        | 31         | 3       | 100        | 0.02      | 0.1               | 6.874                               | 0.569 | 0    | 0          | 0            | 4  |
| PL.10774     | PL.10503    | B   | 4ACSR              | 7.23Y     | 120.6        | 0.00            | 5.42                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 7.115                               | 0.241 | 0    | 0          | 0            | 1  |
| 483202       | PL.10774    | B   | Consumer           | 7.23Y     | 120.6        | 0.00            | 5.42                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 7.115                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.23486     | PL.10503    | B   | 4ACSR              | 7.23Y     | 120.6        | 0.00            | 5.42                     | 1.90         | 1        | 14         | 1       | 100        | 0.00      | 0.0               | 6.921                               | 0.047 | 0    | 0          | 0            | 1  |
| 484211       | PL.23486    | B   | Consumer           | 7.23Y     | 120.6        | 0.00            | 5.42                     | 1.90         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 6.921                               | 0.000 | 14   | 1          | 1            | 1  |
| PL.23485     | PL.10503    | B   | 4ACSR              | 7.23Y     | 120.6        | 0.01            | 5.42                     | 1.13         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 7.013                               | 0.139 | 0    | 0          | 0            | 1  |
| 484204       | PL.23485    | B   | Consumer           | 7.23Y     | 120.6        | 0.00            | 5.42                     | 1.13         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 7.013                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.23484     | PL.10503    | B   | 4ACSR              | 7.23Y     | 120.6        | 0.00            | 5.42                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 6.946                               | 0.073 | 0    | 0          | 0            | 1  |
| 484213       | PL.23484    | B   | Consumer           | 7.23Y     | 120.6        | 0.00            | 5.42                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 6.946                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.27673     | PL.10502    | B   | 4ACSR              | 7.24Y     | 120.7        | 0.02            | 5.33                     | 8.10         | 4        | 58         | 6       | 99         | 0.01      | 0.0               | 6.354                               | 0.049 | 0    | 0          | 0            | 5  |
| PL.27674     | PL.27673    | B   | 4ACSR              | 7.24Y     | 120.7        | 0.01            | 5.35                     | 6.67         | 3        | 48         | 5       | 99         | 0.01      | 0.0               | 6.406                               | 0.052 | 0    | 0          | 0            | 4  |
| 484202       | PL.27674    | B   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.35                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 6.406                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.7188      | PL.27674    | B   | 4ACSR              | 7.24Y     | 120.6        | 0.04            | 5.39                     | 5.74         | 3        | 41         | 4       | 100        | 0.01      | 0.0               | 6.569                               | 0.163 | 0    | 0          | 0            | 3  |
| 484205       | PL.7188     | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.39                     | 1.21         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 6.569                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.7186      | PL.7188     | B   | 4ACSR              | 7.24Y     | 120.6        | 0.01            | 5.40                     | 4.53         | 2        | 33         | 3       | 100        | 0.00      | 0.0               | 6.631                               | 0.062 | 0    | 0          | 0            | 2  |
| PL.7185      | PL.7186     | B   | 4ACSR              | 7.24Y     | 120.6        | 0.00            | 5.40                     | 1.61         | 1        | 12         | 1       | 100        | 0.00      | 0.0               | 6.693                               | 0.062 | 0    | 0          | 0            | 1  |
| 484206       | PL.7185     | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.40                     | 1.61         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 6.693                               | 0.000 | 12   | 1          | 1            | 1  |
| 484210       | PL.7186     | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.40                     | 2.92         | 0        | 21         | 2       | 100        | 0.00      | 0.0               | 6.631                               | 0.000 | 21   | 2          | 1            | 1  |
| 484212       | PL.27673    | B   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.33                     | 1.42         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 6.354                               | 0.000 | 10   | 1          | 1            | 1  |
| PL.10498     | PL.10497    | A   | 336ACSR            | 7.17Y     | 119.4        | 0.01            | 6.58                     | 19.03        | 3        | 136        | 15      | 99         | 0.01      | 0.0               | 5.873                               | 0.037 | 0    | 0          | 0            | 24 |
|              |             | B   |                    | 7.26Y     | 121.0        | -0.00           | 4.95                     | 8.89         | 1        | 64         | 7       | 99         |           |                   | 0                                   | 0     | 0    | 0          | 13           |    |
|              |             | C   |                    | 7.43Y     | 123.8        | 0.00            | 2.24                     | 4.97         | 1        | 37         | 4       | 99         |           |                   | 0                                   | 0     | 0    | 0          | 7            |    |
| PL.12130     | PL.10498    | A   | 4ACSR              | 7.17Y     | 119.4        | 0.00            | 6.58                     | 1.15         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 5.883                               | 0.010 | 0    | 0          | 0            | 1  |
| PD.1634      | PL.12130    | A   | fuse6AMP           | 7.17Y     | 119.4        | 0.00            | 6.58                     | 1.15         | 20       | 8          | 1       | 99         | 0.00      | 0.0               | 5.883                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.45733     | PD.1634     | A   | 4ACSR              | 7.17Y     | 119.4        | 0.00            | 6.58                     | 1.15         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 5.985                               | 0.101 | 0    | 0          | 0            | 1  |
| 4843033      | PL.45733    | A   | Consumer           | 7.17Y     | 119.4        | 0.00            | 6.58                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.985                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.45734     | PL.45733    | A   | 4ACSR              | 7.16Y     | 119.4        | 0.01            | 6.59                     | 1.15         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 6.090                               | 0.106 | 0    | 0          | 0            | 1  |
| 484320       | PL.45734    | A   | Consumer           | 7.16Y     | 119.4        | 0.00            | 6.59                     | 1.15         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 6.090                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.10496     | PL.10498    | A   | 336ACSR            | 7.16Y     | 119.4        | 0.01            | 6.59                     | 17.89        | 2        | 127        | 14      | 99         | 0.01      | 0.0               | 5.950                               | 0.076 | 0    | 0          | 0            | 23 |
|              |             | B   |                    | 7.26Y     | 121.1        | -0.00           | 4.95                     | 8.89         | 1        | 64         | 7       | 99         |           |                   | 0                                   | 0     | 0    | 0          | 13           |    |
|              |             | C   |                    | 7.43Y     | 123.8        | 0.00            | 2.24                     | 4.97         | 1        | 37         | 4       | 99         |           |                   | 0                                   | 0     | 0    | 0          | 7            |    |
| 484317       | PL.10496    | B   | Consumer           | 7.26Y     | 121.1        | 0.00            | 4.95                     | 1.08         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 5.950                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.10495     | PL.10496    | A   | 336ACSR            | 7.16Y     | 119.4        | 0.01            | 6.60                     | 17.89        | 2        | 127        | 14      | 99         | 0.01      | 0.0               | 6.034                               | 0.085 | 0    | 0          | 0            | 23 |
|              |             | B   |                    | 7.26Y     | 121.1        | -0.00           | 4.95                     | 7.81         | 1        | 56         | 6       | 99         |           |                   | 0                                   | 0     | 0    | 0          | 12           |    |
|              |             | C   |                    | 7.43Y     | 123.8        | 0.01            | 2.25                     | 4.97         | 1        | 37         | 4       | 99         |           |                   | 0                                   | 0     | 0    | 0          | 7            |    |
| PL.2486      | PL.10495    | B   | 4ACSR              | 7.26Y     | 121.0        | 0.02            | 4.96                     | 2.74         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 6.187                               | 0.152 | 0    | 0          | 0            | 3  |
| PL.2487      | PL.2486     | B   | 4ACSR              | 7.26Y     | 121.0        | 0.02            | 4.98                     | 2.74         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 6.330                               | 0.143 | 0    | 0          | 0            | 3  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 484326       | PL.2487     | B   | Consumer           | 7.26Y     | 121.0        | 0.00            | 4.98                     | 1.88         | 0        | 14         | 1         | 100        | 0.00      | 0.0               | 6.330                               | 0.000 | 14   | 1          | 1            | 1  |
| 4843030      | PL.2487     | B   | Consumer           | 7.26Y     | 121.0        | 0.00            | 4.98                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.330                               | 0.000 | 0    | 0          | 1            | 1  |
| 484321       | PL.2487     | B   | Consumer           | 7.26Y     | 121.0        | 0.00            | 4.98                     | 0.87         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 6.330                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.10494     | PL.10495    | A   | 336ACSR            | 7.16Y     | 119.4        | 0.01            | 6.61                     | 17.89        | 2        | 127        | 14        | 99         | 0.01      | 0.0               | 6.085                               | 0.051 | 0    | 0          | 0            | 23 |
|              |             | B   |                    | 7.26Y     | 121.1        | -0.00           | 4.94                     | 5.07         | 1        | 37         | 4         | 99         |           |                   |                                     |       | 0    | 0          | 0            | 9  |
|              |             | C   |                    | 7.42Y     | 123.7        | 0.00            | 2.25                     | 4.97         | 1        | 37         | 4         | 99         |           |                   |                                     |       | 0    | 0          | 0            | 7  |
| 484319       | PL.10494    | B   | Consumer           | 7.26Y     | 121.1        | 0.00            | 4.94                     | 0.85         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 6.085                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.10773     | PL.10494    | A   | 336ACSR            | 7.16Y     | 119.4        | 0.01            | 6.61                     | 17.89        | 2        | 127        | 14        | 99         | 0.01      | 0.0               | 6.143                               | 0.058 | 0    | 0          | 0            | 23 |
|              |             | B   |                    | 7.26Y     | 121.1        | -0.00           | 4.94                     | 4.22         | 1        | 30         | 3         | 99         |           |                   |                                     |       | 0    | 0          | 0            | 8  |
|              |             | C   |                    | 7.42Y     | 123.7        | 0.00            | 2.26                     | 4.97         | 1        | 37         | 4         | 99         |           |                   |                                     |       | 0    | 0          | 0            | 7  |
| PL.10772     | PL.10773    | A   | 336ACSR            | 7.16Y     | 119.4        | 0.01            | 6.63                     | 17.89        | 2        | 127        | 14        | 99         | 0.01      | 0.0               | 6.230                               | 0.087 | 0    | 0          | 0            | 23 |
|              |             | B   |                    | 7.26Y     | 121.1        | -0.01           | 4.93                     | 1.49         | 0        | 11         | 1         | 99         |           |                   |                                     |       | 0    | 0          | 0            | 6  |
|              |             | C   |                    | 7.42Y     | 123.7        | 0.01            | 2.27                     | 4.97         | 1        | 37         | 4         | 99         |           |                   |                                     |       | 0    | 0          | 0            | 7  |
| PL.7184      | PL.10772    | A   | 4ACSR              | 7.16Y     | 119.3        | 0.05            | 6.67                     | 16.42        | 8        | 117        | 13        | 99         | 0.05      | 0.0               | 6.307                               | 0.077 | 0    | 0          | 0            | 22 |
|              |             | B   |                    | 7.26Y     | 121.1        | -0.01           | 4.93                     | 1.49         | 1        | 11         | 1         | 99         |           |                   |                                     |       | 0    | 0          | 0            | 6  |
|              |             | C   |                    | 7.42Y     | 123.7        | 0.02            | 2.29                     | 4.97         | 3        | 37         | 4         | 99         |           |                   |                                     |       | 0    | 0          | 0            | 7  |
| PL.10770     | PL.7184     | A   | 4ACSR              | 7.15Y     | 119.2        | 0.09            | 6.76                     | 16.42        | 8        | 117        | 13        | 99         | 0.09      | 0.1               | 6.441                               | 0.135 | 0    | 0          | 0            | 22 |
|              |             | B   |                    | 7.27Y     | 121.1        | -0.02           | 4.91                     | 0.81         | 0        | 6          | 1         | 99         |           |                   |                                     |       | 0    | 0          | 0            | 4  |
|              |             | C   |                    | 7.42Y     | 123.7        | 0.04            | 2.33                     | 4.97         | 3        | 37         | 4         | 99         |           |                   |                                     |       | 0    | 0          | 0            | 7  |
| PL.18516     | PL.10770    | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.33                     | 1.86         | 1        | 14         | 1         | 100        | 0.00      | 0.0               | 6.452                               | 0.011 | 0    | 0          | 0            | 3  |
| PD.1631      | PL.18516    | C   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.33                     | 1.86         | 32       | 14         | 1         | 100        | 0.00      | 0.0               | 6.452                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.18517     | PD.1631     | C   | 4ACSR              | 7.42Y     | 123.7        | 0.01            | 2.33                     | 1.86         | 1        | 14         | 1         | 100        | 0.00      | 0.0               | 6.517                               | 0.065 | 0    | 0          | 0            | 3  |
| 484328       | PL.18517    | C   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.33                     | 1.83         | 0        | 14         | 1         | 100        | 0.00      | 0.0               | 6.517                               | 0.000 | 14   | 1          | 1            | 1  |
| PL.7192      | PL.18517    | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.33                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.755                               | 0.239 | 0    | 0          | 0            | 2  |
| PL.23483     | PL.7192     | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.33                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.865                               | 0.110 | 0    | 0          | 0            | 2  |
| PL.7182      | PL.23483    | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.33                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.975                               | 0.110 | 0    | 0          | 0            | 2  |
| PL.7183      | PL.7182     | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.33                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.135                               | 0.160 | 0    | 0          | 0            | 1  |
| 484203       | PL.7183     | C   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.33                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.135                               | 0.000 | 0    | 0          | 1            | 1  |
| 484201       | PL.7182     | C   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.33                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.975                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.15654     | PL.10770    | B   | 4ACSR              | 7.27Y     | 121.1        | 0.00            | 4.91                     | 0.81         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 6.452                               | 0.010 | 0    | 0          | 0            | 3  |
| PD.1632      | PL.15654    | B   | fuse6AMP           | 7.27Y     | 121.1        | 0.00            | 4.91                     | 0.81         | 14       | 6          | 1         | 99         | 0.00      | 0.0               | 6.452                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.15655     | PD.1632     | B   | 4ACSR              | 7.27Y     | 121.1        | 0.00            | 4.91                     | 0.81         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 6.567                               | 0.115 | 0    | 0          | 0            | 3  |
| PL.7181      | PL.15655    | B   | 4ACSR              | 7.26Y     | 121.1        | 0.00            | 4.92                     | 0.80         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 6.638                               | 0.072 | 0    | 0          | 0            | 2  |
| 484307       | PL.7181     | B   | Consumer           | 7.26Y     | 121.1        | 0.00            | 4.92                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.638                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.7195      | PL.7181     | B   | 4ACSR              | 7.26Y     | 121.1        | 0.00            | 4.92                     | 0.80         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 6.756                               | 0.118 | 0    | 0          | 0            | 1  |
| 484329       | PL.7195     | B   | Consumer           | 7.26Y     | 121.1        | 0.00            | 4.92                     | 0.80         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 6.756                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.7196      | PL.7195     | B   | 4ACSR              | 7.26Y     | 121.1        | 0.00            | 4.92                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.757                               | 0.001 | 0    | 0          | 0            | 0  |
| 484314       | PL.15655    | B   | Consumer           | 7.27Y     | 121.1        | 0.00            | 4.91                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.567                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.2490      | PL.10770    | B   | 4ACSR              | 7.27Y     | 121.1        | 0.00            | 4.91                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.637                               | 0.195 | 0    | 0          | 0            | 1  |
| 485311       | PL.2490     | B   | Consumer           | 7.27Y     | 121.1        | 0.00            | 4.91                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.637                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.10771     | PL.10770    | A   | 4ACSR              | 7.15Y     | 119.1        | 0.09            | 6.85                     | 16.42        | 8        | 117        | 12        | 99         | 0.09      | 0.1               | 6.584                               | 0.143 | 0    | 0          | 0            | 22 |
|              |             | B   |                    | 7.27Y     | 121.1        | -0.02           | 4.89                     | 0.00         | 0        | 0          | 0         | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.42Y     | 123.6        | 0.03            | 2.36                     | 3.11         | 2        | 23         | 2         | 99         |           |                   |                                     |       | 0    | 0          | 0            | 4  |
| PL.15656     | PL.10771    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.36                     | 2.13         | 1        | 16         | 2         | 99         | 0.00      | 0.0               | 6.600                               | 0.016 | 0    | 0          | 0            | 1  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name | Parent Name | Cnf         | Type/<br>Conductor | Pri<br>kV               | Base<br>Volt            | Element<br>Drop       | Units Displayed In Volts |                       |             |               |              |                 |                      | mi<br>From<br>Src | -----Element----- |                | Cons<br>On  | Cons<br>Thru |             |              |
|--------------|-------------|-------------|--------------------|-------------------------|-------------------------|-----------------------|--------------------------|-----------------------|-------------|---------------|--------------|-----------------|----------------------|-------------------|-------------------|----------------|-------------|--------------|-------------|--------------|
|              |             |             |                    |                         |                         |                       | Accum<br>Drop            | Thru<br>Amps          | %<br>Cap    | Thru<br>KW    | KVAR         | %<br>PF         | kW<br>Loss           |                   | %<br>Loss         | Length<br>(mi) |             |              | KW          | KVAR         |
| PD.1633      | PL.15656    | C           | fuse6AMP           | 7.42Y                   | 123.6                   | 0.00                  | 2.36                     | 2.13                  | 36          | 16            | 2            | 99              | 0.00                 | 0.0               | 6.600             | 0.000          | 0           | 0            | 0           | 1            |
| PL.15657     | PD.1633     | C           | 4ACSR              | 7.42Y                   | 123.6                   | 0.00                  | 2.36                     | 2.13                  | 1           | 16            | 2            | 99              | 0.00                 | 0.0               | 6.643             | 0.043          | 0           | 0            | 0           | 1            |
| PL.7180      | PL.15657    | C           | 4ACSR              | 7.42Y                   | 123.6                   | 0.00                  | 2.36                     | 2.13                  | 1           | 16            | 2            | 99              | 0.00                 | 0.0               | 6.644             | 0.001          | 0           | 0            | 0           | 1            |
| PL.23961     | PL.7180     | C           | 4ACSR              | 7.42Y                   | 123.6                   | 0.01                  | 2.37                     | 2.13                  | 1           | 16            | 2            | 99              | 0.00                 | 0.0               | 6.746             | 0.103          | 0           | 0            | 0           | 1            |
| PL.30770     | PL.23961    | C           | 4ACSR              | 7.42Y                   | 123.6                   | 0.00                  | 2.38                     | 2.13                  | 1           | 16            | 2            | 99              | 0.00                 | 0.0               | 6.779             | 0.032          | 0           | 0            | 0           | 1            |
| 4843031      | PL.30770    | C           | Consumer           | 7.42Y                   | 123.6                   | 0.00                  | 2.38                     | 2.13                  | 0           | 16            | 2            | 99              | 0.00                 | 0.0               | 6.779             | 0.000          | 16          | 2            | 1           | 1            |
| 484305       | PL.15657    | C           | Consumer           | 7.42Y                   | 123.6                   | 0.00                  | 2.36                     | 0.00                  | 0           | 0             | 0            | 100             | 0.00                 | 0.0               | 6.643             | 0.000          | 0           | 0            | 0           | 0            |
| PL.10769     | PL.10771    | A<br>B<br>C | 4ACSR              | 7.15Y<br>7.27Y<br>7.42Y | 119.1<br>121.1<br>123.6 | 0.01<br>-0.00<br>0.00 | 6.87<br>4.88<br>2.36     | 16.42<br>0.00<br>0.97 | 8<br>0<br>1 | 117<br>0<br>7 | 12<br>0<br>1 | 99<br>100<br>99 | 0.01<br>0.00<br>0.00 | 0.0               | 6.604             | 0.020          | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>0<br>0 | 22<br>0<br>3 |
| PL.23962     | PL.10769    | A<br>B<br>C | 4ACSR              | 7.15Y<br>7.27Y<br>7.42Y | 119.1<br>121.1<br>123.6 | 0.00<br>0.00<br>0.00  | 6.87<br>4.88<br>2.36     | 16.42<br>0.00<br>0.97 | 8<br>0<br>1 | 117<br>0<br>7 | 12<br>0<br>1 | 99<br>100<br>99 | 0.00<br>0.00<br>0.00 | 0.0               | 6.604             | 0.000          | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>0<br>0 | 22<br>0<br>3 |
| PL.183       | PL.23962    | A<br>B<br>C | 4ACSR              | 7.14Y<br>7.27Y<br>7.42Y | 118.9<br>121.2<br>123.6 | 0.18<br>-0.05<br>0.04 | 7.05<br>4.84<br>2.40     | 16.42<br>0.00<br>0.97 | 8<br>0<br>1 | 117<br>0<br>7 | 12<br>0<br>1 | 99<br>100<br>99 | 0.17<br>0.00<br>0.00 | 0.1               | 6.874             | 0.271          | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>0<br>0 | 22<br>0<br>3 |
| PL.39511     | PL.183      | A           | 4ACSR              | 7.14Y                   | 118.9                   | 0.02                  | 7.07                     | 16.42                 | 8           | 117           | 12           | 99              | 0.02                 | 0.0               | 6.905             | 0.031          | 0           | 0            | 0           | 22           |
| PD.3560      | PL.39511    | A           | 25L                | 7.14Y                   | 118.9                   | 0.00                  | 7.07                     | 16.42                 | 66          | 116           | 12           | 99              | 0.00                 | 0.0               | 6.905             | 0.000          | 0           | 0            | 0           | 22           |
| PL.39512     | PD.3560     | A           | 4ACSR              | 7.13Y                   | 118.8                   | 0.09                  | 7.16                     | 16.42                 | 8           | 116           | 12           | 99              | 0.08                 | 0.1               | 7.037             | 0.131          | 0           | 0            | 0           | 22           |
| PL.10762     | PL.39512    | A           | 4ACSR              | 7.13Y                   | 118.8                   | 0.01                  | 7.17                     | 2.37                  | 1           | 17            | 2            | 99              | 0.00                 | 0.0               | 7.128             | 0.091          | 0           | 0            | 0           | 2            |
| PL.10763     | PL.10762    | A           | 4ACSR              | 7.13Y                   | 118.8                   | 0.01                  | 7.18                     | 1.66                  | 1           | 12            | 1            | 100             | 0.00                 | 0.0               | 7.243             | 0.116          | 0           | 0            | 0           | 1            |
| 485319       | PL.10763    | A           | Consumer           | 7.13Y                   | 118.8                   | 0.00                  | 7.18                     | 1.66                  | 0           | 12            | 1            | 100             | 0.00                 | 0.0               | 7.243             | 0.000          | 12          | 1            | 1           | 1            |
| 485302       | PL.10762    | A           | Consumer           | 7.13Y                   | 118.8                   | 0.00                  | 7.17                     | 0.71                  | 0           | 5             | 1            | 98              | 0.00                 | 0.0               | 7.128             | 0.000          | 5           | 1            | 1           | 1            |
| PL.10761     | PL.39512    | A           | 4ACSR              | 7.13Y                   | 118.8                   | 0.03                  | 7.19                     | 14.05                 | 7           | 100           | 10           | 100             | 0.02                 | 0.0               | 7.085             | 0.048          | 0           | 0            | 0           | 20           |
| PL.10758     | PL.10761    | A           | 4ACSR              | 7.12Y                   | 118.7                   | 0.06                  | 7.25                     | 14.05                 | 7           | 100           | 10           | 100             | 0.05                 | 0.0               | 7.186             | 0.101          | 0           | 0            | 0           | 20           |
| PL.10759     | PL.10758    | A           | 4ACSR              | 7.12Y                   | 118.7                   | 0.04                  | 7.30                     | 13.19                 | 7           | 93            | 10           | 99              | 0.03                 | 0.0               | 7.264             | 0.077          | 0           | 0            | 0           | 19           |
| PL.184       | PL.10759    | A           | 4ACSR              | 7.12Y                   | 118.6                   | 0.09                  | 7.38                     | 13.16                 | 7           | 93            | 10           | 99              | 0.07                 | 0.1               | 7.423             | 0.159          | 0           | 0            | 0           | 18           |
| PL.12134     | PL.184      | A           | 4ACSR              | 7.12Y                   | 118.6                   | 0.00                  | 7.38                     | 0.14                  | 0           | 1             | 0            | 100             | 0.00                 | 0.0               | 7.451             | 0.028          | 0           | 0            | 0           | 2            |
| PD.1675      | PL.12134    | A           | fuse6AMP           | 7.12Y                   | 118.6                   | 0.00                  | 7.38                     | 0.14                  | 2           | 1             | 0            | 100             | 0.00                 | 0.0               | 7.451             | 0.000          | 0           | 0            | 0           | 2            |
| PL.12135     | PD.1675     | A           | 4ACSR              | 7.12Y                   | 118.6                   | 0.00                  | 7.39                     | 0.14                  | 0           | 1             | 0            | 100             | 0.00                 | 0.0               | 7.548             | 0.098          | 0           | 0            | 0           | 2            |
| PL.24990     | PL.12135    | A           | 4ACSR              | 7.12Y                   | 118.6                   | 0.00                  | 7.39                     | 0.14                  | 0           | 1             | 0            | 100             | 0.00                 | 0.0               | 7.935             | 0.387          | 0           | 0            | 0           | 2            |
| 486202       | PL.24990    | A           | Consumer           | 7.12Y                   | 118.6                   | 0.00                  | 7.39                     | 0.00                  | 0           | 0             | 0            | 100             | 0.00                 | 0.0               | 7.935             | 0.000          | 0           | 0            | 1           | 1            |
| PL.24991     | PL.24990    | A           | 4ACSR              | 7.12Y                   | 118.6                   | 0.00                  | 7.39                     | 0.14                  | 0           | 1             | 0            | 100             | 0.00                 | 0.0               | 7.938             | 0.002          | 0           | 0            | 0           | 1            |
| PL.24184     | PL.24991    | A           | 4ACSR              | 7.12Y                   | 118.6                   | 0.00                  | 7.39                     | 0.14                  | 0           | 1             | 0            | 100             | 0.00                 | 0.0               | 8.141             | 0.204          | 0           | 0            | 0           | 1            |
| 486201       | PL.24184    | A           | Consumer           | 7.12Y                   | 118.6                   | 0.00                  | 7.39                     | 0.14                  | 0           | 1             | 0            | 100             | 0.00                 | 0.0               | 8.141             | 0.000          | 1           | 0            | 1           | 1            |
| PL.24187     | PL.12135    | A           | 4ACSR              | 7.12Y                   | 118.6                   | 0.00                  | 7.39                     | 0.00                  | 0           | 0             | 0            | 100             | 0.00                 | 0.0               | 7.677             | 0.128          | 0           | 0            | 0           | 0            |
| PL.12138     | PL.184      | A           | 4ACSR              | 7.11Y                   | 118.5                   | 0.15                  | 7.53                     | 13.01                 | 7           | 92            | 10           | 99              | 0.11                 | 0.1               | 7.691             | 0.268          | 0           | 0            | 0           | 16           |
| PL.12139     | PL.12138    | A           | 4ACSR              | 7.10Y                   | 118.4                   | 0.06                  | 7.59                     | 11.34                 | 6           | 80            | 8            | 100             | 0.04                 | 0.0               | 7.816             | 0.125          | 0           | 0            | 0           | 15           |
| PD.462-A     | PL.12139    | A           | Closed             | 7.10Y                   | 118.4                   | 0.00                  | 7.59                     | 11.34                 | 0           | 80            | 8            | 100             | 0.00                 | 0.0               | 7.816             | 0.000          | 0           | 0            | 0           | 15           |
| PD.462-B     | PD.462-A    | A           | Closed             | 7.10Y                   | 118.4                   | 0.00                  | 7.59                     | 11.34                 | 0           | 80            | 8            | 100             | 0.00                 | 0.0               | 7.816             | 0.000          | 0           | 0            | 0           | 15           |
| PL.12136     | PD.462-B    | A           | 4ACSR              | 7.10Y                   | 118.4                   | 0.01                  | 7.60                     | 11.34                 | 6           | 80            | 8            | 100             | 0.00                 | 0.0               | 7.832             | 0.016          | 0           | 0            | 0           | 15           |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.24185     | PL.12136    | A   | 4ACSR              | 7.10Y     | 118.4        | 0.01            | 7.60                     | 1.56         | 1        | 11         | 1       | 100        | 0.00      | 0.0               | 7.912                               | 0.081 | 0    | 0          | 0            | 3 |
| PL.24186     | PL.24185    | A   | 4ACSR              | 7.10Y     | 118.4        | 0.00            | 7.61                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.077                               | 0.165 | 0    | 0          | 0            | 1 |
| 486304       | PL.24186    | A   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.61                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.077                               | 0.000 | 2    | 0          | 1            | 1 |
| 486307       | PL.24185    | A   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.60                     | 0.12         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 7.912                               | 0.000 | 1    | 0          | 1            | 1 |
| 486301       | PL.24185    | A   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.60                     | 1.14         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 7.912                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.12137     | PL.12136    | A   | 4ACSR              | 7.10Y     | 118.4        | 0.02            | 7.62                     | 5.18         | 3        | 37         | 4       | 99         | 0.01      | 0.0               | 7.940                               | 0.108 | 0    | 0          | 0            | 8 |
| PL.12144     | PL.12137    | A   | 4ACSR              | 7.10Y     | 118.4        | 0.02            | 7.64                     | 4.19         | 2        | 30         | 3       | 100        | 0.00      | 0.0               | 8.031                               | 0.091 | 0    | 0          | 0            | 7 |
| PL.24985     | PL.12144    | A   | 4ACSR              | 7.10Y     | 118.4        | 0.00            | 7.64                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.101                               | 0.070 | 0    | 0          | 0            | 0 |
| 486306       | PL.24985    | A   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.64                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.101                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.24986     | PL.24985    | A   | 4ACSR              | 7.10Y     | 118.4        | 0.00            | 7.64                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.141                               | 0.040 | 0    | 0          | 0            | 0 |
| PL.12145     | PL.12144    | A   | 4ACSR              | 7.10Y     | 118.4        | 0.01            | 7.64                     | 3.75         | 2        | 26         | 3       | 99         | 0.00      | 0.0               | 8.074                               | 0.044 | 0    | 0          | 0            | 5 |
| 486309       | PL.12145    | A   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.64                     | 1.35         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 8.074                               | 0.000 | 10   | 1          | 1            | 1 |
| PL.24989     | PL.12145    | A   | 4ACSR              | 7.10Y     | 118.3        | 0.03            | 7.67                     | 2.40         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 8.333                               | 0.259 | 0    | 0          | 0            | 4 |
| PL.185       | PL.24989    | A   | 4ACSR              | 7.10Y     | 118.3        | 0.01            | 7.68                     | 2.40         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 8.396                               | 0.063 | 0    | 0          | 0            | 4 |
| PL.12141     | PL.185      | A   | 4ACSR              | 7.10Y     | 118.3        | 0.00            | 7.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.407                               | 0.011 | 0    | 0          | 0            | 0 |
| PD.463-B     | PL.12141    | A   | Open               | 7.10Y     | 118.3        | 0.00            | 7.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.407                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.24994     | PL.185      | A   | 4ACSR              | 7.10Y     | 118.3        | 0.01            | 7.69                     | 2.40         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 8.544                               | 0.148 | 0    | 0          | 0            | 4 |
| PL.10749     | PL.24994    | A   | 4ACSR              | 7.10Y     | 118.3        | 0.00            | 7.70                     | 2.14         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 8.575                               | 0.031 | 0    | 0          | 0            | 3 |
| PL.3344      | PL.10749    | A   | 4ACSR              | 7.10Y     | 118.3        | 0.01            | 7.70                     | 2.14         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 8.685                               | 0.109 | 0    | 0          | 0            | 2 |
| PL.3346      | PL.3344     | A   | 4ACSR              | 7.10Y     | 118.3        | 0.00            | 7.71                     | 0.45         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 8.733                               | 0.048 | 0    | 0          | 0            | 1 |
| PL.3347      | PL.3346     | A   | 4ACSR              | 7.10Y     | 118.3        | 0.00            | 7.71                     | 0.45         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 8.805                               | 0.071 | 0    | 0          | 0            | 1 |
| 486404       | PL.3347     | A   | Consumer           | 7.10Y     | 118.3        | 0.00            | 7.71                     | 0.45         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 8.805                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.3345      | PL.3344     | A   | 4ACSR              | 7.10Y     | 118.3        | 0.00            | 7.71                     | 1.70         | 1        | 12         | 1       | 100        | 0.00      | 0.0               | 8.719                               | 0.034 | 0    | 0          | 0            | 1 |
| 486403       | PL.3345     | A   | Consumer           | 7.10Y     | 118.3        | 0.00            | 7.71                     | 1.70         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 8.719                               | 0.000 | 12   | 1          | 1            | 1 |
| PL.10750     | PL.10749    | A   | 4ACSR              | 7.10Y     | 118.3        | 0.00            | 7.70                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.317                               | 0.742 | 0    | 0          | 0            | 1 |
| PL.39374     | PL.10750    | A   | 4ACSR              | 7.10Y     | 118.3        | 0.00            | 7.70                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.323                               | 0.006 | 0    | 0          | 0            | 0 |
| PD.7086-A    | PL.39374    | A   | Closed             | 7.10Y     | 118.3        | 0.00            | 7.70                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.323                               | 0.000 | 0    | 0          | 0            | 0 |
| PD.7086-B    | PD.7086-A   | A   | Closed             | 7.10Y     | 118.3        | 0.00            | 7.70                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.323                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.39375     | PD.7086-B   | A   | 4ACSR              | 7.10Y     | 118.3        | 0.00            | 7.70                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.697                               | 0.374 | 0    | 0          | 0            | 0 |
| PD.464-B     | PL.39375    | A   | Open               | 7.10Y     | 118.3        | 0.00            | 7.70                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.697                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.39376     | PL.10750    | A   | 4ACSR              | 7.10Y     | 118.3        | 0.00            | 7.70                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.324                               | 0.007 | 0    | 0          | 0            | 1 |
| PD.7087      | PL.39376    | A   | fuse6AMP           | 7.10Y     | 118.3        | 0.00            | 7.70                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.324                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.39377     | PD.7087     | A   | 4ACSR              | 7.10Y     | 118.3        | 0.00            | 7.70                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.448                               | 0.124 | 0    | 0          | 0            | 1 |
| 486405       | PL.39377    | A   | Consumer           | 7.10Y     | 118.3        | 0.00            | 7.70                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.448                               | 0.000 | 0    | 0          | 1            | 1 |
| 485404       | PL.24994    | A   | Consumer           | 7.10Y     | 118.3        | 0.00            | 7.69                     | 0.25         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.544                               | 0.000 | 2    | 0          | 1            | 1 |
| 486302       | PL.12144    | A   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.64                     | 0.44         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 8.031                               | 0.000 | 3    | 0          | 1            | 1 |
| 486308       | PL.12144    | A   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.64                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.031                               | 0.000 | 0    | 0          | 1            | 1 |
| 486311       | PL.12137    | A   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.62                     | 0.99         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 7.940                               | 0.000 | 7    | 1          | 1            | 1 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |   |
| PL.24193     | PL.12136    | A   | 4ACSR              | 7.10Y     | 118.4        | 0.01            | 7.61                     | 2.66         | 1        | 19         | 2         | 99         | 0.00      | 0.0               | 7.920             | 0.088 | 0          | 0            | 0    | 3 |
| PL.12142     | PL.24193    | A   | 4ACSR              | 7.10Y     | 118.4        | 0.00            | 7.61                     | 2.66         | 1        | 19         | 2         | 99         | 0.00      | 0.0               | 7.961             | 0.042 | 0          | 0            | 0    | 3 |
| PL.12143     | PL.12142    | A   | 4ACSR              | 7.10Y     | 118.4        | 0.01            | 7.62                     | 1.33         | 1        | 9          | 1         | 99         | 0.00      | 0.0               | 8.140             | 0.179 | 0          | 0            | 0    | 1 |
| 485330       | PL.12143    | A   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.62                     | 1.33         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 8.140             | 0.000 | 9          | 1            | 1    | 1 |
| PL.24194     | PL.12142    | A   | 4ACSR              | 7.10Y     | 118.4        | 0.00            | 7.62                     | 1.33         | 1        | 9          | 1         | 99         | 0.00      | 0.0               | 8.015             | 0.054 | 0          | 0            | 0    | 2 |
| 485325       | PL.24194    | A   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.62                     | 1.27         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 8.015             | 0.000 | 9          | 1            | 1    | 1 |
| PL.33071     | PL.24194    | A   | 4ACSR              | 7.10Y     | 118.4        | 0.00            | 7.62                     | 0.07         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.077             | 0.061 | 0          | 0            | 0    | 1 |
| 4853031      | PL.33071    | A   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.62                     | 0.07         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.077             | 0.000 | 0          | 0            | 1    | 1 |
| PL.24191     | PL.12136    | A   | 4ACSR              | 7.10Y     | 118.4        | 0.00            | 7.60                     | 1.94         | 1        | 14         | 1         | 100        | 0.00      | 0.0               | 7.885             | 0.054 | 0          | 0            | 0    | 1 |
| 486310       | PL.24191    | A   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.60                     | 1.94         | 0        | 14         | 1         | 100        | 0.00      | 0.0               | 7.885             | 0.000 | 14         | 1            | 1    | 1 |
| PL.24188     | PL.12138    | A   | 4ACSR              | 7.11Y     | 118.5        | 0.01            | 7.54                     | 1.67         | 1        | 12         | 1         | 100        | 0.00      | 0.0               | 7.780             | 0.090 | 0          | 0            | 0    | 1 |
| 485307       | PL.24188    | A   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.54                     | 1.67         | 0        | 12         | 1         | 100        | 0.00      | 0.0               | 7.780             | 0.000 | 12         | 1            | 1    | 1 |
| PL.12132     | PL.10759    | A   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.30                     | 0.03         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.281             | 0.018 | 0          | 0            | 0    | 1 |
| PD.1674      | PL.12132    | A   | fuse6AMP           | 7.12Y     | 118.7        | 0.00            | 7.30                     | 0.03         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.281             | 0.000 | 0          | 0            | 0    | 1 |
| PL.12133     | PD.1674     | A   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.30                     | 0.03         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.494             | 0.212 | 0          | 0            | 0    | 1 |
| PL.24189     | PL.12133    | A   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.30                     | 0.03         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.551             | 0.057 | 0          | 0            | 0    | 1 |
| 485313       | PL.24189    | A   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.30                     | 0.03         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.551             | 0.000 | 0          | 0            | 1    | 1 |
| PL.10757     | PL.12133    | A   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.624             | 0.130 | 0          | 0            | 0    | 0 |
| PL.41482     | PL.10757    | A   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.079             | 0.455 | 0          | 0            | 0    | 0 |
| PD.7451-A    | PL.41482    | A   | Open               | 7.12Y     | 118.7        | 0.00            | 7.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.079             | 0.000 | 0          | 0            | 0    | 0 |
| PL.24190     | PL.10758    | A   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.26                     | 0.86         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 7.266             | 0.080 | 0          | 0            | 0    | 1 |
| 485305       | PL.24190    | A   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.26                     | 0.86         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 7.266             | 0.000 | 6          | 1            | 1    | 1 |
| PL.15658     | PL.183      | A   | 4ACSR              | 7.14Y     | 118.9        | -0.00           | 7.05                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.891             | 0.016 | 0          | 0            | 0    | 0 |
|              |             | B   |                    | 7.27Y     | 121.2        | 0.00            | 4.84                     | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0                 | 0     | 0          | 0            | 0    |   |
|              |             | C   |                    | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.97         | 1        | 7          | 1         | 99         |           |                   | 0                 | 0     | 0          | 0            | 3    |   |
| PL.21406     | PL.15658    | A   | 4ACSR              | 7.14Y     | 118.9        | -0.00           | 7.05                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.978             | 0.087 | 0          | 0            | 0    | 0 |
|              |             | B   |                    | 7.27Y     | 121.2        | 0.00            | 4.84                     | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0                 | 0     | 0          | 0            | 0    |   |
|              |             | C   |                    | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.97         | 1        | 7          | 1         | 99         |           |                   | 0                 | 0     | 0          | 0            | 3    |   |
| PL.22547     | PL.21406    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.10         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 7.253             | 0.275 | 0          | 0            | 0    | 2 |
| PL.10764     | PL.22547    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.10         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 7.355             | 0.102 | 0          | 0            | 0    | 2 |
| PL.10765     | PL.10764    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.04         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.415             | 0.060 | 0          | 0            | 0    | 1 |
| PL.10766     | PL.10765    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.04         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.712             | 0.296 | 0          | 0            | 0    | 1 |
| PL.23983     | PL.10766    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.04         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.770             | 0.058 | 0          | 0            | 0    | 1 |
| 485206       | PL.23983    | C   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.04         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.770             | 0.000 | 0          | 0            | 1    | 1 |
| 485202       | PL.23983    | C   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.770             | 0.000 | 0          | 0            | 0    | 0 |
| PL.10767     | PL.10766    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.888             | 0.176 | 0          | 0            | 0    | 0 |
| PL.10768     | PL.10767    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.905             | 0.017 | 0          | 0            | 0    | 0 |
| 485201       | PL.10768    | C   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.905             | 0.000 | 0          | 0            | 0    | 0 |
| PL.23981     | PL.10765    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.756             | 0.341 | 0          | 0            | 0    | 0 |
| PL.23982     | PL.10764    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.06         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.473             | 0.118 | 0          | 0            | 0    | 1 |



Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 485204       | PL.23982    | C   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.473                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.28466     | PL.21406    | A   | 4ACSR              | 7.14Y     | 118.9        | -0.00           | 7.05                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.070                               | 0.092 | 0    | 0          | 0            | 0 |
|              |             | B   |                    | 7.27Y     | 121.2        | 0.00            | 4.84                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               |                                     |       | 0    | 0          | 0            | 0 |
|              |             | C   |                    | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.88         | 0        | 6          | 1       | 99         | 0.00      | 0.0               |                                     |       | 0    | 0          | 0            | 1 |
| 485316       | PL.28466    | C   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.88         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.070                               | 0.000 | 6    | 1          | 1            | 1 |
| 484313       | PL.7184     | B   | Consumer           | 7.26Y     | 121.1        | 0.00            | 4.93                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.307                               | 0.000 | 0    | 0          | 1            | 1 |
| 484304       | PL.7184     | B   | Consumer           | 7.26Y     | 121.1        | 0.00            | 4.93                     | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 6.307                               | 0.000 | 5    | 1          | 1            | 1 |
| 484303       | PL.7184     | B   | Consumer           | 7.26Y     | 121.1        | 0.00            | 4.93                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.307                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.2488      | PL.10772    | A   | 4ACSR              | 7.16Y     | 119.4        | 0.00            | 6.63                     | 1.47         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 6.295                               | 0.065 | 0    | 0          | 0            | 1 |
| PL.2489      | PL.2488     | A   | 4ACSR              | 7.16Y     | 119.4        | 0.01            | 6.64                     | 1.47         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 6.448                               | 0.153 | 0    | 0          | 0            | 1 |
| 484324       | PL.2489     | A   | Consumer           | 7.16Y     | 119.4        | 0.00            | 6.64                     | 1.47         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 6.448                               | 0.000 | 10   | 1          | 1            | 1 |
| PL.10500     | PL.10773    | B   | 4ACSR              | 7.26Y     | 121.1        | 0.00            | 4.94                     | 2.72         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 6.177                               | 0.034 | 0    | 0          | 0            | 2 |
| PL.10501     | PL.10500    | B   | 4ACSR              | 7.26Y     | 121.1        | 0.00            | 4.95                     | 1.19         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 6.238                               | 0.061 | 0    | 0          | 0            | 1 |
| 484323       | PL.10501    | B   | Consumer           | 7.26Y     | 121.1        | 0.00            | 4.95                     | 1.19         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 6.238                               | 0.000 | 9    | 1          | 1            | 1 |
| 484318       | PL.10500    | B   | Consumer           | 7.26Y     | 121.1        | 0.00            | 4.94                     | 1.54         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 6.177                               | 0.000 | 11   | 1          | 1            | 1 |
| PL.15652     | PL.10776    | A   | 4ACSR              | 7.18Y     | 119.7        | 0.00            | 6.27                     | 0.83         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.445                               | 0.016 | 0    | 0          | 0            | 2 |
| PD.1628      | PL.15652    | A   | fuse6AMP           | 7.18Y     | 119.7        | 0.00            | 6.27                     | 0.83         | 14       | 6          | 1       | 99         | 0.00      | 0.0               | 5.445                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.15653     | PD.1628     | A   | 4ACSR              | 7.18Y     | 119.7        | 0.00            | 6.27                     | 0.83         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.535                               | 0.090 | 0    | 0          | 0            | 2 |
| 483306       | PL.15653    | A   | Consumer           | 7.18Y     | 119.7        | 0.00            | 6.27                     | 0.78         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.535                               | 0.000 | 6    | 1          | 1            | 1 |
| 483316       | PL.15653    | A   | Consumer           | 7.18Y     | 119.7        | 0.00            | 6.27                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.535                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.23488     | PL.10776    | B   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.65                     | 4.57         | 2        | 33         | 3       | 100        | 0.00      | 0.0               | 5.447                               | 0.018 | 0    | 0          | 0            | 7 |
| PD.1629      | PL.23488    | B   | fuse6AMP           | 7.28Y     | 121.4        | 0.00            | 4.65                     | 4.57         | 78       | 33         | 3       | 100        | 0.00      | 0.0               | 5.447                               | 0.000 | 0    | 0          | 0            | 7 |
| PL.23489     | PD.1629     | B   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.66                     | 4.57         | 2        | 33         | 3       | 100        | 0.00      | 0.0               | 5.496                               | 0.049 | 0    | 0          | 0            | 7 |
| PL.10778     | PL.23489    | B   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.66                     | 3.53         | 2        | 26         | 3       | 99         | 0.00      | 0.0               | 5.519                               | 0.023 | 0    | 0          | 0            | 4 |
| PL.7193      | PL.10778    | B   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.66                     | 3.53         | 2        | 26         | 3       | 99         | 0.00      | 0.0               | 5.521                               | 0.002 | 0    | 0          | 0            | 4 |
| 483322       | PL.7193     | B   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.66                     | 1.93         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 5.521                               | 0.000 | 14   | 1          | 1            | 1 |
| PL.7194      | PL.7193     | B   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.66                     | 1.60         | 1        | 12         | 1       | 100        | 0.00      | 0.0               | 5.564                               | 0.043 | 0    | 0          | 0            | 3 |
| PL.2484      | PL.7194     | B   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.67                     | 1.29         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 5.601                               | 0.037 | 0    | 0          | 0            | 2 |
| 483320       | PL.2484     | B   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.67                     | 1.28         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 5.601                               | 0.000 | 9    | 1          | 1            | 1 |
| 483321       | PL.2484     | B   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.67                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.601                               | 0.000 | 0    | 0          | 1            | 1 |
| 483319       | PL.7194     | B   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.66                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.564                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.10779     | PL.23489    | B   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.66                     | 1.04         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 5.559                               | 0.063 | 0    | 0          | 0            | 3 |
| 484327       | PL.10779    | B   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.66                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.559                               | 0.000 | 0    | 0          | 1            | 1 |
| 484315       | PL.10779    | B   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.66                     | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.559                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.2485      | PL.10779    | B   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.66                     | 0.74         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.612                               | 0.052 | 0    | 0          | 0            | 1 |
| 484322       | PL.2485     | B   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.66                     | 0.74         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.612                               | 0.000 | 5    | 1          | 1            | 1 |
| 483305       | PL.7190     | C   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.24                     | 0.44         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.401                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.26960     | PL.21854    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.00            | 5.75                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.934                               | 0.023 | 0    | 0          | 0            | 2 |
| PD.1626      | PL.26960    | A   | fuse6AMP           | 7.21Y     | 120.2        | 0.00            | 5.75                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.934                               | 0.000 | 0    | 0          | 0            | 2 |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.26961, 483308, etc.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| PL.25542     | PD.1602-B   | A   | 6ACWC              | 7.22Y     | 120.3        | 0.22            | 5.67                     | 52.37        | 27       | 375        | 53      | 99         | 1.49      | 0.2               | 4.231                               | 0.111 | 0    | 0          | 0            | 39   |
|              |             | B   |                    | 7.36Y     | 122.6        | 0.14            | 3.40                     | 36.01        | 19       | 262        | 39      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 77   |
|              |             | C   |                    | 7.36Y     | 122.7        | 0.20            | 3.27                     | 44.99        | 23       | 330        | 35      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 83   |
| PL.44704     | PL.25542    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.40                     | 5.23         | 3        | 38         | 4       | 99         | 0.00      | 0.0               | 4.234                               | 0.003 | 0    | 0          | 0            | 12   |
| C PD.1601    | PL.44704    | B   | fuse6AMP           | 7.36Y     | 122.6        | 0.00            | 3.40                     | 5.23         | 89       | 38         | 4       | 99         | 0.00      | 0.0               | 4.234                               | 0.000 | 0    | 0          | 0            | 12 C |
| PL.44707     | PD.1601     | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.41                     | 5.23         | 3        | 38         | 4       | 99         | 0.00      | 0.0               | 4.239                               | 0.005 | 0    | 0          | 0            | 12   |
| PL.44706     | PL.44707    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.279                               | 0.039 | 0    | 0          | 0            | 0    |
| 4812028      | PL.44706    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.279                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.44708     | PL.44707    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.41                     | 5.23         | 3        | 38         | 4       | 99         | 0.00      | 0.0               | 4.245                               | 0.006 | 0    | 0          | 0            | 12   |
| PL.25414     | PL.44708    | B   | 4ACSR              | 7.35Y     | 122.6        | 0.01            | 3.42                     | 5.23         | 3        | 38         | 4       | 99         | 0.00      | 0.0               | 4.294                               | 0.049 | 0    | 0          | 0            | 12   |
| PL.25415     | PL.25414    | B   | 4ACSR              | 7.35Y     | 122.6        | 0.03            | 3.44                     | 5.23         | 3        | 38         | 4       | 99         | 0.01      | 0.0               | 4.416                               | 0.123 | 0    | 0          | 0            | 12   |
| PL.25416     | PL.25415    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.01            | 3.46                     | 4.53         | 2        | 33         | 3       | 100        | 0.00      | 0.0               | 4.474                               | 0.058 | 0    | 0          | 0            | 10   |
| PL.10190     | PL.25416    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.04            | 3.49                     | 4.53         | 2        | 33         | 3       | 100        | 0.01      | 0.0               | 4.676                               | 0.202 | 0    | 0          | 0            | 10   |
| 481303       | PL.10190    | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.49                     | 0.40         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.676                               | 0.000 | 3    | 0          | 1            | 1    |
| PL.10191     | PL.10190    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.03            | 3.52                     | 4.13         | 2        | 30         | 3       | 100        | 0.01      | 0.0               | 4.840                               | 0.164 | 0    | 0          | 0            | 9    |
| PL.3288      | PL.10191    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.52                     | 1.68         | 1        | 12         | 1       | 100        | 0.00      | 0.0               | 4.879                               | 0.040 | 0    | 0          | 0            | 1    |
| 481318       | PL.3288     | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.52                     | 1.68         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 4.879                               | 0.000 | 12   | 1          | 1            | 1    |
| PL.25752     | PL.10191    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.01            | 3.54                     | 2.45         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 4.976                               | 0.136 | 0    | 0          | 0            | 8    |
| PL.20254     | PL.25752    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.54                     | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.993                               | 0.017 | 0    | 0          | 0            | 1    |
| PD.1614      | PL.20254    | B   | fuse6AMP           | 7.35Y     | 122.5        | 0.00            | 3.54                     | 0.15         | 3        | 1          | 0       | 100        | 0.00      | 0.0               | 4.993                               | 0.000 | 0    | 0          | 0            | 1    |
| PL.20255     | PD.1614     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.54                     | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.164                               | 0.170 | 0    | 0          | 0            | 1    |
| 481314       | PL.20255    | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.54                     | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.164                               | 0.000 | 1    | 0          | 1            | 1    |
| PL.6506      | PL.25752    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.01            | 3.55                     | 2.29         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 5.073                               | 0.097 | 0    | 0          | 0            | 7    |
| PL.25753     | PL.6506     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.55                     | 1.58         | 1        | 12         | 1       | 100        | 0.00      | 0.0               | 5.118                               | 0.045 | 0    | 0          | 0            | 5    |
| PL.25754     | PL.25753    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.55                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.236                               | 0.118 | 0    | 0          | 0            | 3    |
| PL.3286      | PL.25754    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.55                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.286                               | 0.050 | 0    | 0          | 0            | 1    |
| 480308       | PL.3286     | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.55                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.286                               | 0.000 | 0    | 0          | 1            | 1    |
| PL.10189     | PL.25754    | B   | 4ACSR              | 7.35Y     | 122.4        | 0.00            | 3.55                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.288                               | 0.052 | 0    | 0          | 0            | 2    |
| PL.7162      | PL.10189    | B   | 4ACSR              | 7.35Y     | 122.4        | 0.00            | 3.55                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.411                               | 0.123 | 0    | 0          | 0            | 1    |
| 480307       | PL.7162     | B   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.55                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.411                               | 0.000 | 0    | 0          | 1            | 1    |
| 480301       | PL.10189    | B   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.55                     | 0.22         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.288                               | 0.000 | 2    | 0          | 1            | 1    |
| PL.3287      | PL.25753    | B   | 4ACSR              | 7.35Y     | 122.4        | 0.01            | 3.56                     | 1.31         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 5.294                               | 0.176 | 0    | 0          | 0            | 2    |
| 481317       | PL.3287     | B   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.56                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.294                               | 0.000 | 0    | 0          | 1            | 1    |
| 481315       | PL.3287     | B   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.56                     | 1.25         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 5.294                               | 0.000 | 9    | 1          | 1            | 1    |
| 481311       | PL.6506     | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.55                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.073                               | 0.000 | 2    | 0          | 1            | 1    |
| 481319       | PL.6506     | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.55                     | 0.45         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.073                               | 0.000 | 3    | 0          | 1            | 1    |
| 481207       | PL.25415    | B   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.65         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 4.416                               | 0.000 | 5    | 0          | 1            | 1    |
| PL.3285      | PL.25415    | B   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.516                               | 0.099 | 0    | 0          | 0            | 1    |
| PL.7160      | PL.3285     | B   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.591                               | 0.075 | 0    | 0          | 0            | 1    |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements like PL.7161, 481205, PL.7156, etc.

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements like PL.20444, 482202, PL.3275, etc.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 471909       | PL.10392    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.645                               | 0.000 | 0    | 0          | 0            | 0  |
| 471910       | PL.10392    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.645                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.10390     | PL.10392    | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.654                               | 0.009 | 0    | 0          | 0            | 1  |
| PD.1532      | PL.10390    | C   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.654                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.10391     | PD.1532     | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.747                               | 0.093 | 0    | 0          | 0            | 1  |
| 471914       | PL.10391    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.747                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.10393     | PL.10392    | A   | 6ACWC              | 7.53Y     | 125.5        | 0.25            | 0.46                     | 48.95        | 25       | 366        | 49      | 99         | 1.34      | 0.2               | 5.781                               | 0.136 | 0    | 0          | 0            | 38 |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.11            | 0.20                     | 25.95        | 14       | 193        | 32      | 99         |           |                   | 0                                   | 0     | 0    | 0          | 56           |    |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.22            | 0.39                     | 37.11        | 19       | 279        | 28      | 99         |           |                   | 0                                   | 0     | 0    | 0          | 70           |    |
| 471903       | PL.10393    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.781                               | 0.000 | 3    | 0          | 1            | 1  |
| 471925       | PL.10393    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.14         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.781                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.42864     | PL.10393    | C   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.40                     | 23.25        | 12       | 174        | 19      | 99         | 0.00      | 0.0               | 5.784                               | 0.004 | 0    | 0          | 0            | 42 |
| PD.8152-A    | PL.42864    | C   | Closed             | 7.54Y     | 125.6        | 0.00            | 0.40                     | 23.25        | 0        | 174        | 19      | 99         | 0.00      | 0.0               | 5.784                               | 0.000 | 0    | 0          | 0            | 42 |
| PD.8152-B    | PD.8152-A   | C   | Closed             | 7.54Y     | 125.6        | 0.00            | 0.40                     | 23.25        | 0        | 174        | 19      | 99         | 0.00      | 0.0               | 5.784                               | 0.000 | 0    | 0          | 0            | 42 |
| PL.42865     | PD.8152-B   | C   | 4ACSR              | 7.53Y     | 125.5        | 0.06            | 0.46                     | 23.25        | 12       | 174        | 19      | 99         | 0.08      | 0.0               | 5.848                               | 0.064 | 0    | 0          | 0            | 42 |
| 471920       | PL.42865    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.46                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.848                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.10351     | PL.42865    | C   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.46                     | 23.25        | 12       | 174        | 19      | 99         | 0.01      | 0.0               | 5.852                               | 0.005 | 0    | 0          | 0            | 41 |
| PD.3536      | PL.10351    | C   | 70V4E              | 7.53Y     | 125.5        | 0.00            | 0.46                     | 23.25        | 0        | 174        | 19      | 99         | 0.00      | 0.0               | 5.852                               | 0.000 | 0    | 0          | 0            | 41 |
| PL.9939      | PD.3536     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.23            | 0.69                     | 23.25        | 12       | 174        | 19      | 99         | 0.30      | 0.2               | 6.086                               | 0.233 | 0    | 0          | 0            | 41 |
| PL.42868     | PL.9939     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.69                     | 1.18         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 6.092                               | 0.006 | 0    | 0          | 0            | 1  |
| PD.8154      | PL.42868    | C   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.69                     | 1.18         | 20       | 9          | 1       | 99         | 0.00      | 0.0               | 6.092                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.42869     | PD.8154     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.01            | 0.70                     | 1.18         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 6.202                               | 0.110 | 0    | 0          | 0            | 1  |
| 471924       | PL.42869    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.70                     | 1.18         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 6.202                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.42866     | PL.9939     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.69                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.091                               | 0.005 | 0    | 0          | 0            | 2  |
| PD.8153      | PL.42866    | C   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.69                     | 0.31         | 5        | 2          | 0       | 100        | 0.00      | 0.0               | 6.091                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.42867     | PD.8153     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.69                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.153                               | 0.062 | 0    | 0          | 0            | 2  |
| 471916       | PL.42867    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.153                               | 0.000 | 0    | 0          | 1            | 1  |
| 471902       | PL.42867    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.69                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.153                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.21828     | PL.42867    | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.153                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.9106      | PL.9939     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.09            | 0.78                     | 21.76        | 11       | 163        | 17      | 99         | 0.11      | 0.1               | 6.186                               | 0.100 | 0    | 0          | 0            | 38 |
| PL.42870     | PL.9106     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.78                     | 0.64         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 6.190                               | 0.004 | 0    | 0          | 0            | 1  |
| PD.8155      | PL.42870    | C   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.78                     | 0.64         | 11       | 5          | 0       | 100        | 0.00      | 0.0               | 6.190                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.42871     | PD.8155     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.79                     | 0.64         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 6.247                               | 0.057 | 0    | 0          | 0            | 1  |
| 471921       | PL.42871    | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.79                     | 0.64         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 6.247                               | 0.000 | 5    | 0          | 1            | 1  |
| PL.9107      | PL.9106     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.05            | 0.83                     | 21.12        | 11       | 158        | 17      | 99         | 0.06      | 0.0               | 6.242                               | 0.057 | 0    | 0          | 0            | 37 |
| PL.42874     | PL.9107     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.83                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.248                               | 0.006 | 0    | 0          | 0            | 1  |
| PD.8157      | PL.42874    | C   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.83                     | 0.28         | 5        | 2          | 0       | 100        | 0.00      | 0.0               | 6.248                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.42875     | PD.8157     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.300                               | 0.052 | 0    | 0          | 0            | 1  |
| 471922       | PL.42875    | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.300                               | 0.000 | 2    | 0          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.42872     | PL.9107     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.83   | 1.01         | 1        | 8          | 1    | 99      | 0.00       | 0.0               | 6.247                               | 0.004 | 0    | 0          | 0            | 2         |
| PD.8156      | PL.42872    | C   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.83   | 1.01         | 17       | 8          | 1    | 99      | 0.00       | 0.0               | 6.247                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.42873     | PD.8156     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.01            | 0.84   | 1.01         | 1        | 8          | 1    | 99      | 0.00       | 0.0               | 6.404                               | 0.158 | 0    | 0          | 0            | 2         |
| PL.2987      | PL.42873    | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.84   | 1.01         | 1        | 8          | 1    | 99      | 0.00       | 0.0               | 6.448                               | 0.044 | 0    | 0          | 0            | 1         |
| 471915       | PL.2987     | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84   | 1.01         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 6.448                               | 0.000 | 8    | 1          | 1            | 1         |
| 471905       | PL.42873    | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.404                               | 0.000 | 0    | 0          | 0            | 0         |
| 471918       | PL.42873    | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.404                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.9108      | PL.9107     | C   | 4ACSR              | 7.49Y     | 124.8        | 0.34            | 1.17   | 19.83        | 10       | 148        | 16   | 99      | 0.38       | 0.3               | 6.648                               | 0.406 | 0    | 0          | 0            | 34        |
| PL.9105      | PL.9108     | C   | 4ACSR              | 7.47Y     | 124.6        | 0.25            | 1.42   | 19.41        | 10       | 145        | 15   | 99      | 0.28       | 0.2               | 6.955                               | 0.308 | 0    | 0          | 0            | 33        |
| PL.9103      | PL.9105     | C   | 4ACSR              | 7.47Y     | 124.5        | 0.05            | 1.48   | 19.41        | 10       | 144        | 15   | 99      | 0.06       | 0.0               | 7.020                               | 0.065 | 0    | 0          | 0            | 33        |
| PL.42876     | PL.9103     | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.48   | 2.87         | 1        | 21         | 2    | 100     | 0.00       | 0.0               | 7.025                               | 0.005 | 0    | 0          | 0            | 2         |
| PD.8158      | PL.42876    | C   | fuse6AMP           | 7.47Y     | 124.5        | 0.00            | 1.48   | 2.87         | 49       | 21         | 2    | 100     | 0.00       | 0.0               | 7.025                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.42877     | PD.8158     | C   | 4ACSR              | 7.47Y     | 124.5        | 0.03            | 1.50   | 2.87         | 1        | 21         | 2    | 100     | 0.00       | 0.0               | 7.236                               | 0.211 | 0    | 0          | 0            | 2         |
| PL.24937     | PL.42877    | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.51   | 2.87         | 1        | 21         | 2    | 100     | 0.00       | 0.0               | 7.252                               | 0.016 | 0    | 0          | 0            | 2         |
| PL.24938     | PL.24937    | C   | 4ACSR              | 7.47Y     | 124.5        | 0.02            | 1.52   | 2.87         | 1        | 21         | 2    | 100     | 0.00       | 0.0               | 7.389                               | 0.138 | 0    | 0          | 0            | 1         |
| 470904       | PL.24938    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.52   | 2.87         | 0        | 21         | 2    | 100     | 0.00       | 0.0               | 7.389                               | 0.000 | 21   | 2          | 1            | 1         |
| 470903       | PL.24937    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.51   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.252                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.9104      | PL.9103     | C   | 4ACSR              | 7.47Y     | 124.4        | 0.08            | 1.56   | 16.54        | 9        | 123        | 13   | 99      | 0.08       | 0.1               | 7.138                               | 0.118 | 0    | 0          | 0            | 31        |
| PL.42895     | PL.9104     | C   | 4ACSR              | 7.47Y     | 124.4        | 0.02            | 1.58   | 4.23         | 2        | 31         | 3    | 100     | 0.00       | 0.0               | 7.250                               | 0.112 | 0    | 0          | 0            | 1         |
| PD.419       | PL.42895    | C   | fuse6AMP           | 7.47Y     | 124.4        | 0.00            | 1.58   | 4.23         | 72       | 31         | 3    | 100     | 0.00       | 0.0               | 7.250                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.42896     | PD.419      | C   | 4ACSR              | 7.46Y     | 124.4        | 0.01            | 1.59   | 4.23         | 2        | 31         | 3    | 100     | 0.00       | 0.0               | 7.309                               | 0.059 | 0    | 0          | 0            | 1         |
| 470905       | PL.42896    | C   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.59   | 4.23         | 0        | 31         | 3    | 100     | 0.00       | 0.0               | 7.309                               | 0.000 | 31   | 3          | 1            | 1         |
| PL.10343     | PL.9104     | C   | 4ACSR              | 7.46Y     | 124.4        | 0.05            | 1.61   | 12.31        | 6        | 91         | 10   | 99      | 0.03       | 0.0               | 7.232                               | 0.094 | 0    | 0          | 0            | 30        |
| PL.40884     | PL.10343    | C   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.61   | 1.34         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 7.244                               | 0.012 | 0    | 0          | 0            | 1         |
| PD.7274      | PL.40884    | C   | fuse6AMP           | 7.46Y     | 124.4        | 0.00            | 1.61   | 1.34         | 23       | 10         | 1    | 100     | 0.00       | 0.0               | 7.244                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.40885     | PD.7274     | C   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.61   | 1.34         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 7.295                               | 0.051 | 0    | 0          | 0            | 1         |
| 419904       | PL.40885    | C   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.61   | 1.34         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 7.295                               | 0.000 | 10   | 1          | 1            | 1         |
| PL.10344     | PL.10343    | C   | 4ACSR              | 7.46Y     | 124.4        | 0.01            | 1.61   | 10.97        | 6        | 81         | 9    | 99      | 0.00       | 0.0               | 7.244                               | 0.012 | 0    | 0          | 0            | 29        |
| PL.42582     | PL.10344    | C   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.61   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.435                               | 0.191 | 0    | 0          | 0            | 0         |
| PD.293-A     | PL.42582    | C   | Open               | 7.46Y     | 124.4        | 0.00            | 1.61   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.435                               | 0.000 | 0    | 0          | 0            | 0         |
| 419908       | PL.10344    | C   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.61   | 0.42         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 7.244                               | 0.000 | 3    | 0          | 1            | 1         |
| PL.20326     | PL.10344    | C   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.62   | 10.54        | 5        | 78         | 8    | 99      | 0.00       | 0.0               | 7.250                               | 0.006 | 0    | 0          | 0            | 28        |
| PD.3105      | PL.20326    | C   | 70L                | 7.46Y     | 124.4        | 0.00            | 1.62   | 10.54        | 15       | 78         | 8    | 99      | 0.00       | 0.0               | 7.250                               | 0.000 | 0    | 0          | 0            | 28        |
| PL.20327     | PD.3105     | C   | 4ACSR              | 7.46Y     | 124.3        | 0.04            | 1.65   | 10.54        | 5        | 78         | 8    | 99      | 0.02       | 0.0               | 7.333                               | 0.084 | 0    | 0          | 0            | 28        |
| PL.25366     | PL.20327    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.03            | 1.68   | 9.98         | 5        | 74         | 8    | 99      | 0.01       | 0.0               | 7.393                               | 0.060 | 0    | 0          | 0            | 25        |
| PL.25363     | PL.25366    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.07            | 1.74   | 7.16         | 4        | 53         | 6    | 99      | 0.03       | 0.1               | 7.612                               | 0.218 | 0    | 0          | 0            | 22        |
| 419906       | PL.25363    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.74   | 1.60         | 0        | 12         | 1    | 100     | 0.00       | 0.0               | 7.612                               | 0.000 | 12   | 1          | 1            | 1         |
| PL.19234     | PL.25363    | C   | 4ACSR              | 7.45Y     | 124.2        | 0.02            | 1.76   | 5.56         | 3        | 41         | 4    | 100     | 0.01       | 0.0               | 7.691                               | 0.079 | 0    | 0          | 0            | 21        |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.19235     | PL.19234    | C   | 4ACSR              | 7.45Y     | 124.2        | 0.02            | 1.79   | 5.56         | 3        | 41         | 4       | 100        | 0.01      | 0.0               | 7.787                               | 0.096 | 0    | 0          | 0            | 20 |
| PL.42892     | PL.19235    | C   | 4ACSR              | 7.45Y     | 124.2        | 0.03            | 1.81   | 5.56         | 3        | 41         | 4       | 100        | 0.01      | 0.0               | 7.910                               | 0.123 | 0    | 0          | 0            | 20 |
| PD.8170-A    | PL.42892    | C   | Closed             | 7.45Y     | 124.2        | 0.00            | 1.81   | 5.56         | 0        | 41         | 4       | 100        | 0.00      | 0.0               | 7.910                               | 0.000 | 0    | 0          | 0            | 20 |
| PD.8170-B    | PD.8170-A   | C   | Closed             | 7.45Y     | 124.2        | 0.00            | 1.81   | 5.56         | 0        | 41         | 4       | 100        | 0.00      | 0.0               | 7.910                               | 0.000 | 0    | 0          | 0            | 20 |
| PL.42893     | PD.8170-B   | C   | 4ACSR              | 7.45Y     | 124.1        | 0.05            | 1.86   | 5.56         | 3        | 41         | 4       | 100        | 0.02      | 0.0               | 8.117                               | 0.208 | 0    | 0          | 0            | 20 |
| 418903       | PL.42893    | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.86   | 0.19         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 8.117                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.42884     | PL.42893    | C   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.86   | 5.37         | 3        | 40         | 4       | 100        | 0.00      | 0.0               | 8.121                               | 0.004 | 0    | 0          | 0            | 19 |
| PL.42885     | PL.42884    | C   | 4ACSR              | 7.45Y     | 124.1        | 0.03            | 1.89   | 5.37         | 3        | 40         | 4       | 100        | 0.01      | 0.0               | 8.234                               | 0.112 | 0    | 0          | 0            | 19 |
| PL.42890     | PL.42885    | C   | 4ACSR              | 7.44Y     | 124.1        | 0.06            | 1.95   | 5.37         | 3        | 40         | 4       | 100        | 0.02      | 0.0               | 8.485                               | 0.252 | 0    | 0          | 0            | 19 |
| PD.8169-A    | PL.42890    | C   | Closed             | 7.44Y     | 124.1        | 0.00            | 1.95   | 5.37         | 0        | 40         | 4       | 100        | 0.00      | 0.0               | 8.485                               | 0.000 | 0    | 0          | 0            | 19 |
| PD.8169-B    | PD.8169-A   | C   | Closed             | 7.44Y     | 124.1        | 0.00            | 1.95   | 5.37         | 0        | 40         | 4       | 100        | 0.00      | 0.0               | 8.485                               | 0.000 | 0    | 0          | 0            | 19 |
| PL.42891     | PD.8169-B   | C   | 4ACSR              | 7.44Y     | 124.0        | 0.03            | 1.97   | 5.37         | 3        | 40         | 4       | 100        | 0.01      | 0.0               | 8.610                               | 0.125 | 0    | 0          | 0            | 19 |
| PL.42888     | PL.42891    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.98   | 3.82         | 2        | 28         | 3       | 99         | 0.00      | 0.0               | 8.618                               | 0.008 | 0    | 0          | 0            | 11 |
| PD.8168-A    | PL.42888    | C   | Closed             | 7.44Y     | 124.0        | 0.00            | 1.98   | 3.82         | 0        | 28         | 3       | 99         | 0.00      | 0.0               | 8.618                               | 0.000 | 0    | 0          | 0            | 11 |
| PD.8168-B    | PD.8168-A   | C   | Closed             | 7.44Y     | 124.0        | 0.00            | 1.98   | 3.82         | 0        | 28         | 3       | 99         | 0.00      | 0.0               | 8.618                               | 0.000 | 0    | 0          | 0            | 11 |
| PL.42908     | PD.8168-B   | C   | 4ACSR              | 7.44Y     | 124.0        | 0.02            | 2.00   | 3.82         | 2        | 28         | 3       | 99         | 0.01      | 0.0               | 8.768                               | 0.150 | 0    | 0          | 0            | 11 |
| PD.8175      | PL.42908    | C   | fuse6AMP           | 7.44Y     | 124.0        | 0.00            | 2.00   | 3.82         | 65       | 28         | 3       | 99         | 0.00      | 0.0               | 8.768                               | 0.000 | 0    | 0          | 0            | 11 |
| PL.42909     | PD.8175     | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00   | 3.82         | 2        | 28         | 3       | 99         | 0.00      | 0.0               | 8.791                               | 0.023 | 0    | 0          | 0            | 11 |
| 428210       | PL.42909    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.00   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.791                               | 0.000 | 0    | 0          | 1            | 1  |
| 428201       | PL.42909    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.00   | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 8.791                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.19930     | PL.42909    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 2.02   | 3.47         | 2        | 26         | 3       | 99         | 0.00      | 0.0               | 8.881                               | 0.090 | 0    | 0          | 0            | 8  |
| 428202       | PL.19930    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.02   | 0.49         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 8.881                               | 0.000 | 4    | 0          | 1            | 1  |
| 428212       | PL.19930    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.02   | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.881                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.19931     | PL.19930    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 2.03   | 2.93         | 2        | 22         | 2       | 100        | 0.00      | 0.0               | 8.957                               | 0.076 | 0    | 0          | 0            | 6  |
| PL.6680      | PL.19931    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 2.03   | 2.86         | 1        | 21         | 2       | 100        | 0.00      | 0.0               | 9.030                               | 0.073 | 0    | 0          | 0            | 5  |
| PL.19717     | PL.6680     | C   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 2.04   | 2.86         | 1        | 21         | 2       | 100        | 0.00      | 0.0               | 9.104                               | 0.074 | 0    | 0          | 0            | 5  |
| 429202       | PL.19717    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.04   | 1.27         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 9.104                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.19718     | PL.19717    | C   | 4ACSR              | 7.44Y     | 123.9        | 0.01            | 2.05   | 1.58         | 1        | 12         | 1       | 100        | 0.00      | 0.0               | 9.271                               | 0.167 | 0    | 0          | 0            | 4  |
| PL.42906     | PL.19718    | C   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.05   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.276                               | 0.005 | 0    | 0          | 0            | 1  |
| PD.8174      | PL.42906    | C   | fuse6AMP           | 7.44Y     | 123.9        | 0.00            | 2.05   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.276                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.42907     | PD.8174     | C   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.05   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.470                               | 0.194 | 0    | 0          | 0            | 1  |
| 429205       | PL.42907    | C   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.05   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.470                               | 0.000 | 0    | 0          | 1            | 1  |
| 429203       | PL.42907    | C   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.05   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.470                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.2390      | PL.19718    | C   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.06   | 1.58         | 1        | 12         | 1       | 100        | 0.00      | 0.0               | 9.331                               | 0.060 | 0    | 0          | 0            | 3  |
| PL.6683      | PL.2390     | C   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.06   | 1.58         | 1        | 12         | 1       | 100        | 0.00      | 0.0               | 9.382                               | 0.051 | 0    | 0          | 0            | 3  |
| 429206       | PL.6683     | C   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.06   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.382                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.6684      | PL.6683     | C   | 4ACSR              | 7.44Y     | 123.9        | 0.01            | 2.07   | 1.58         | 1        | 12         | 1       | 100        | 0.00      | 0.0               | 9.530                               | 0.148 | 0    | 0          | 0            | 2  |
| PL.2391      | PL.6684     | C   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.08   | 0.66         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 9.666                               | 0.135 | 0    | 0          | 0            | 1  |



Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |               |              |          |            |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|---------------|--------------|----------|------------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | -Base Voltage:120.0-     | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.2389      | PL.2391     | C   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.08                     | 0.66          | 0            | 5        | 1          | 98      | 0.00       | 0.0               | 9.838                               | 0.173 | 0    | 0          | 0            | 1         |
| 429307       | PL.2389     | C   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.08                     | 0.66          | 0            | 5        | 1          | 98      | 0.00       | 0.0               | 9.838                               | 0.000 | 5    | 1          | 1            | 1         |
| 429204       | PL.6684     | C   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.07                     | 0.92          | 0            | 7        | 1          | 99      | 0.00       | 0.0               | 9.530                               | 0.000 | 7    | 1          | 1            | 1         |
| 428209       | PL.19931    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 0.07          | 0            | 1        | 0          | 100     | 0.00       | 0.0               | 8.957                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.2387      | PL.42909    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.00          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.140                               | 0.348 | 0    | 0          | 0            | 1         |
| 429201       | PL.2387     | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.00          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.140                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.42886     | PL.42891    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.97                     | 1.54          | 1            | 11       | 1          | 100     | 0.00       | 0.0               | 8.616                               | 0.006 | 0    | 0          | 0            | 8         |
| PD.8167-A    | PL.42886    | C   | Closed             | 7.44Y     | 124.0        | 0.00            | 1.97                     | 1.54          | 0            | 11       | 1          | 100     | 0.00       | 0.0               | 8.616                               | 0.000 | 0    | 0          | 0            | 8         |
| PD.8167-B    | PD.8167-A   | C   | Closed             | 7.44Y     | 124.0        | 0.00            | 1.97                     | 1.54          | 0            | 11       | 1          | 100     | 0.00       | 0.0               | 8.616                               | 0.000 | 0    | 0          | 0            | 8         |
| PL.42887     | PD.8167-B   | C   | 4ACSR              | 7.44Y     | 124.0        | 0.03            | 2.00                     | 1.54          | 1            | 11       | 1          | 100     | 0.00       | 0.0               | 9.018                               | 0.402 | 0    | 0          | 0            | 8         |
| PL.42899     | PL.42887    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.98          | 1            | 7        | 1          | 99      | 0.00       | 0.0               | 9.027                               | 0.009 | 0    | 0          | 0            | 7         |
| PD.8172      | PL.42899    | C   | fuse8AMP           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.98          | 13           | 7        | 1          | 99      | 0.00       | 0.0               | 9.027                               | 0.000 | 0    | 0          | 0            | 7         |
| PL.42900     | PD.8172     | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.98          | 1            | 7        | 1          | 99      | 0.00       | 0.0               | 9.036                               | 0.009 | 0    | 0          | 0            | 7         |
| 428206       | PL.42900    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.84          | 0            | 6        | 1          | 99      | 0.00       | 0.0               | 9.036                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.10345     | PL.42900    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.14          | 0            | 1        | 0          | 100     | 0.00       | 0.0               | 9.094                               | 0.058 | 0    | 0          | 0            | 6         |
| PL.10346     | PL.10345    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.14          | 0            | 1        | 0          | 100     | 0.00       | 0.0               | 9.217                               | 0.123 | 0    | 0          | 0            | 6         |
| PL.6682      | PL.10346    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.14          | 0            | 1        | 0          | 100     | 0.00       | 0.0               | 9.359                               | 0.142 | 0    | 0          | 0            | 5         |
| PL.25535     | PL.6682     | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.13          | 0            | 1        | 0          | 100     | 0.00       | 0.0               | 9.462                               | 0.103 | 0    | 0          | 0            | 4         |
| PL.25537     | PL.25535    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.13          | 0            | 1        | 0          | 100     | 0.00       | 0.0               | 9.464                               | 0.001 | 0    | 0          | 0            | 4         |
| 428203       | PL.25537    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.06          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.464                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.42904     | PL.25537    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.06          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.524                               | 0.061 | 0    | 0          | 0            | 3         |
| PL.42905     | PL.42904    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.06          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.623                               | 0.099 | 0    | 0          | 0            | 2         |
| PL.23922     | PL.42905    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.00          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.721                               | 0.098 | 0    | 0          | 0            | 1         |
| PL.23923     | PL.23922    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.00          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.901                               | 0.179 | 0    | 0          | 0            | 1         |
| 427201       | PL.23923    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.00          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.901                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.42901     | PL.42905    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.06          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.634                               | 0.011 | 0    | 0          | 0            | 1         |
| PD.8173      | PL.42901    | C   | fuse6AMP           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.06          | 1            | 0        | 0          | 100     | 0.00       | 0.0               | 9.634                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.42902     | PD.8173     | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.06          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.859                               | 0.225 | 0    | 0          | 0            | 1         |
| 428211       | PL.42902    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.06          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.859                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.42903     | PL.42904    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.00          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.617                               | 0.093 | 0    | 0          | 0            | 1         |
| 428213       | PL.42903    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.00          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.617                               | 0.000 | 0    | 0          | 1            | 1         |
| 428208       | PL.6682     | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.01          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.359                               | 0.000 | 0    | 0          | 1            | 1         |
| 428204       | PL.10346    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.00          | 0            | 0        | 0          | 100     | 0.00       | 0.0               | 9.217                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.42897     | PL.42887    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.57          | 0            | 4        | 0          | 100     | 0.00       | 0.0               | 9.025                               | 0.007 | 0    | 0          | 0            | 1         |
| PD.8171      | PL.42897    | C   | fuse6AMP           | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.57          | 10           | 4        | 0          | 100     | 0.00       | 0.0               | 9.025                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.42898     | PD.8171     | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.00                     | 0.57          | 0            | 4        | 0          | 100     | 0.00       | 0.0               | 9.124                               | 0.099 | 0    | 0          | 0            | 1         |
| PL.23921     | PL.42898    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 2.01                     | 0.57          | 0            | 4        | 0          | 100     | 0.00       | 0.0               | 9.450                               | 0.325 | 0    | 0          | 0            | 1         |
| 428301       | PL.23921    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.57          | 0            | 4        | 0          | 100     | 0.00       | 0.0               | 9.450                               | 0.000 | 4    | 0          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.23919     | PL.42885    | C   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.89                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.234                               | 0.000 | 0    | 0          | 0            | 0  |
| 419911       | PL.19234    | C   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.691                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.42880     | PL.25366    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.68                     | 2.83         | 1        | 21         | 2       | 100        | 0.00      | 0.0               | 7.398                               | 0.005 | 0    | 0          | 0            | 3  |
| PD.8160      | PL.42880    | C   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.68                     | 2.83         | 48       | 21         | 2       | 100        | 0.00      | 0.0               | 7.398                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.42881     | PD.8160     | C   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.69                     | 2.83         | 1        | 21         | 2       | 100        | 0.00      | 0.0               | 7.447                               | 0.049 | 0    | 0          | 0            | 3  |
| PL.2210      | PL.42881    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.02            | 1.70                     | 2.81         | 1        | 21         | 2       | 100        | 0.00      | 0.0               | 7.601                               | 0.154 | 0    | 0          | 0            | 2  |
| 419907       | PL.2210     | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 2.27         | 0        | 17         | 2       | 99         | 0.00      | 0.0               | 7.601                               | 0.000 | 17   | 2          | 1            | 1  |
| PL.18555     | PL.2210     | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.71                     | 0.55         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 7.658                               | 0.057 | 0    | 0          | 0            | 1  |
| 419918       | PL.18555    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.658                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.18556     | PL.18555    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.71                     | 0.55         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 7.754                               | 0.096 | 0    | 0          | 0            | 1  |
| 419910       | PL.18556    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71                     | 0.55         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 7.754                               | 0.000 | 4    | 0          | 1            | 1  |
| PL.25365     | PL.42881    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.487                               | 0.040 | 0    | 0          | 0            | 1  |
| 419905       | PL.25365    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.487                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.42878     | PL.20327    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.65                     | 0.56         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 7.338                               | 0.005 | 0    | 0          | 0            | 3  |
| PD.8159      | PL.42878    | C   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.65                     | 0.56         | 10       | 4          | 0       | 100        | 0.00      | 0.0               | 7.338                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.42879     | PD.8159     | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.66                     | 0.56         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 7.444                               | 0.106 | 0    | 0          | 0            | 3  |
| 419917       | PL.42879    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.66                     | 0.12         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 7.444                               | 0.000 | 1    | 0          | 1            | 1  |
| 419914       | PL.42879    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.66                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.444                               | 0.000 | 0    | 0          | 1            | 1  |
| 419916       | PL.42879    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.66                     | 0.43         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 7.444                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.10349     | PL.9108     | C   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 6.662                               | 0.014 | 0    | 0          | 0            | 1  |
| PD.1539      | PL.10349    | C   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.42         | 7        | 3          | 0       | 100        | 0.00      | 0.0               | 6.662                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.10350     | PD.1539     | C   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.18                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 6.762                               | 0.101 | 0    | 0          | 0            | 1  |
| 470901       | PL.10350    | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.18                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 6.762                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.25078     | PL.10393    | A   | 6ACWC              | 7.50Y     | 125.0        | 0.59            | 1.05                     | 48.95        | 25       | 366        | 48      | 99         | 2.03      | 0.3               | 6.057                               | 0.276 | 0    | 0          | 0            | 38 |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.18            | 0.39                     | 25.95        | 14       | 193        | 32      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 56 |
|              |             | C   |                    | 7.53Y     | 125.4        | 0.16            | 0.55                     | 13.31        | 7        | 100        | 9       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 26 |
| PL.42860     | PL.25078    | C   | 4ACSR              | 7.53Y     | 125.4        | 0.00            | 0.55                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.060                               | 0.004 | 0    | 0          | 0            | 1  |
| PD.8150      | PL.42860    | C   | fuse6AMP           | 7.53Y     | 125.4        | 0.00            | 0.55                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.060                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.42861     | PD.8150     | C   | 4ACSR              | 7.53Y     | 125.4        | 0.00            | 0.55                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.115                               | 0.054 | 0    | 0          | 0            | 1  |
| 471911       | PL.42861    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.115                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.25079     | PL.25078    | A   | 6ACWC              | 7.48Y     | 124.7        | 0.29            | 1.33                     | 48.95        | 25       | 364        | 48      | 99         | 0.99      | 0.2               | 6.192                               | 0.135 | 0    | 0          | 0            | 37 |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.09            | 0.47                     | 25.95        | 14       | 193        | 31      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 56 |
|              |             | C   |                    | 7.52Y     | 125.4        | 0.08            | 0.63                     | 13.31        | 7        | 100        | 9       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 25 |
| PL.25077     | PL.25079    | A   | 6ACWC              | 7.46Y     | 124.3        | 0.40            | 1.73                     | 48.95        | 25       | 363        | 47      | 99         | 1.35      | 0.2               | 6.377                               | 0.185 | 0    | 0          | 0            | 37 |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.12            | 0.59                     | 25.95        | 14       | 193        | 31      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 56 |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.10            | 0.73                     | 12.57        | 7        | 94         | 8       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 23 |
| PL.10394     | PL.25077    | A   | 1/0ACSR            | 7.46Y     | 124.3        | 0.01            | 1.74                     | 42.13        | 13       | 312        | 38      | 99         | 0.02      | 0.0               | 6.388                               | 0.011 | 0    | 0          | 0            | 30 |
|              |             | B   |                    | 7.52Y     | 125.4        | -0.00           | 0.59                     | 15.02        | 5        | 112        | 16      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 35 |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.00            | 0.73                     | 8.73         | 3        | 65         | 7       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 13 |
| PD.423-A     | PL.10394    | A   | Closed             | 7.46Y     | 124.3        | 0.00            | 1.74                     | 42.13        | 0        | 312        | 38      | 99         | 0.00      | 0.0               | 6.388                               | 0.000 | 0    | 0          | 0            | 30 |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.00            | 0.59                     | 15.02        | 0        | 112        | 16      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 35 |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.00            | 0.73                     | 8.73         | 0        | 65         | 7       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 13 |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PD.423-B, PL.43702, PD.8314, etc.

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Units Displayed In Volts (Accum Drop, Thru Amps, % Cap, Thru KW), KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.42919     | PD.8180     | B   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.63   | 0.27         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 8.971                               | 0.058 | 0    | 0          | 0            | 3         |
| PL.6585      | PL.42919    | B   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.63   | 0.27         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 9.247                               | 0.276 | 0    | 0          | 0            | 3         |
| 419707       | PL.6585     | B   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.63   | 0.20         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 9.247                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.6586      | PL.6585     | B   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.63   | 0.07         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 9.329                               | 0.082 | 0    | 0          | 0            | 2         |
| PL.2190      | PL.6586     | B   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.63   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.586                               | 0.257 | 0    | 0          | 0            | 1         |
| PL.2213      | PL.2190     | B   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.63   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.675                               | 0.089 | 0    | 0          | 0            | 1         |
| 419806       | PL.2213     | B   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.63   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.675                               | 0.000 | 0    | 0          | 1            | 1         |
| 419706       | PL.6586     | B   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.63   | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.329                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.24927     | PL.42920    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.03            | 0.66   | 4.21         | 2        | 31         | 3    | 100     | 0.01       | 0.0               | 9.083                               | 0.173 | 0    | 0          | 0            | 10        |
| PL.24926     | PL.24927    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.03            | 0.69   | 3.66         | 2        | 27         | 3    | 99      | 0.01       | 0.0               | 9.284                               | 0.201 | 0    | 0          | 0            | 8         |
| PL.8661      | PL.24926    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.01            | 0.70   | 3.66         | 2        | 27         | 3    | 99      | 0.00       | 0.0               | 9.341                               | 0.057 | 0    | 0          | 0            | 7         |
| PL.8662      | PL.8661     | B   | 4ACSR              | 7.52Y     | 125.3        | 0.02            | 0.71   | 3.07         | 2        | 23         | 2    | 100     | 0.00       | 0.0               | 9.460                               | 0.119 | 0    | 0          | 0            | 5         |
| PL.28033     | PL.8662     | B   | 4ACSR              | 7.52Y     | 125.3        | 0.01            | 0.72   | 1.46         | 1        | 11         | 1    | 100     | 0.00       | 0.0               | 9.543                               | 0.083 | 0    | 0          | 0            | 4         |
| PL.28032     | PL.28033    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.72   | 1.46         | 1        | 11         | 1    | 100     | 0.00       | 0.0               | 9.583                               | 0.039 | 0    | 0          | 0            | 4         |
| 470713       | PL.28032    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.583                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.8663      | PL.28032    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.73   | 1.46         | 1        | 11         | 1    | 100     | 0.00       | 0.0               | 9.627                               | 0.045 | 0    | 0          | 0            | 3         |
| PL.38183     | PL.8663     | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 9.633                               | 0.005 | 0    | 0          | 0            | 2         |
| PD.6642      | PL.38183    | B   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.15         | 2        | 1          | 0    | 100     | 0.00       | 0.0               | 9.633                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.38184     | PD.6642     | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 9.696                               | 0.063 | 0    | 0          | 0            | 2         |
| 470710       | PL.38184    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.696                               | 0.000 | 0    | 0          | 1            | 1         |
| 470708       | PL.38184    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 9.696                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.17978     | PL.8663     | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.73   | 1.31         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 9.631                               | 0.004 | 0    | 0          | 0            | 1         |
| PL.17977     | PL.17978    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.73   | 1.31         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 9.635                               | 0.004 | 0    | 0          | 0            | 1         |
| PL.24925     | PL.17977    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.73   | 1.31         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 9.642                               | 0.008 | 0    | 0          | 0            | 1         |
| PL.45476     | PL.24925    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.669                               | 0.027 | 0    | 0          | 0            | 0         |
| PD.8652-B    | PL.45476    | B   | Open               | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.669                               | 0.000 | 0    | 0          | 0            | 0         |
| 470707       | PL.24925    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 1.31         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 9.642                               | 0.000 | 10   | 1          | 1            | 1         |
| 470714       | PL.28033    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.543                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.2932      | PL.8662     | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.71   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.597                               | 0.137 | 0    | 0          | 0            | 0         |
| PL.2933      | PL.8662     | B   | 4ACSR              | 7.52Y     | 125.3        | 0.01            | 0.72   | 1.61         | 1        | 12         | 1    | 100     | 0.00       | 0.0               | 9.587                               | 0.127 | 0    | 0          | 0            | 1         |
| PL.2187      | PL.2933     | B   | 4ACSR              | 7.52Y     | 125.3        | 0.01            | 0.73   | 1.61         | 1        | 12         | 1    | 100     | 0.00       | 0.0               | 9.678                               | 0.091 | 0    | 0          | 0            | 1         |
| 419713       | PL.2187     | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 1.61         | 0        | 12         | 1    | 100     | 0.00       | 0.0               | 9.678                               | 0.000 | 12   | 1          | 1            | 1         |
| PL.2926      | PL.8661     | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.70   | 0.36         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 9.541                               | 0.200 | 0    | 0          | 0            | 1         |
| 470702       | PL.2926     | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.70   | 0.36         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 9.541                               | 0.000 | 3    | 0          | 1            | 1         |
| PL.2923      | PL.2926     | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.70   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.693                               | 0.153 | 0    | 0          | 0            | 0         |
| 470701       | PL.8661     | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.70   | 0.23         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 9.341                               | 0.000 | 2    | 0          | 1            | 1         |
| 470703       | PL.24926    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.69   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.284                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.42922     | PL.24927    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.66   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.087                               | 0.004 | 0    | 0          | 0            | 1         |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW | KVAR | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-----------|-------------------|-------------------------------------|----|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |    |      |            |              |
| PD.8182      | PL.42922    | B   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.66   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 9.087             | 0.000                               | 0  | 0    | 0          | 1            |
| PL.42923     | PD.8182     | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.66   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 9.140             | 0.053                               | 0  | 0    | 0          | 1            |
| 470711       | PL.42923    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.66   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 9.140             | 0.000                               | 0  | 0    | 0          | 0            |
| 470704       | PL.42923    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.66   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 9.140             | 0.000                               | 0  | 0    | 1          | 1            |
| 470705       | PL.24927    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.66   | 0.55         | 0        | 4          | 0    | 100     | 0.00       | 0.0       | 9.083             | 0.000                               | 4  | 0    | 1          | 1            |
| PL.2947      | PL.25076    | B   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.60   | 0.16         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 8.889             | 0.118                               | 0  | 0    | 0          | 1            |
| PL.2212      | PL.2947     | B   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.60   | 0.16         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 9.142             | 0.253                               | 0  | 0    | 0          | 1            |
| 419804       | PL.2212     | B   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.60   | 0.16         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 9.142             | 0.000                               | 1  | 0    | 1          | 1            |
| 419801       | PL.2212     | B   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.60   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 9.142             | 0.000                               | 0  | 0    | 0          | 0            |
| 470804       | PL.9814     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50   | 0.80         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 8.257             | 0.000                               | 6  | 1    | 1          | 1            |
| 470803       | PL.9814     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 8.257             | 0.000                               | 0  | 0    | 1          | 1            |
| PL.10044     | PL.40914    | A   | 1/0ACSR            | 7.36Y     | 122.7        | 0.01            | 3.29   | 42.13        | 13       | 308        | 34   | 99      | 0.02       | 0.0       | 8.172             | 0.010                               | 0  | 0    | 0          | 30           |
|              |             | B   |                    | 7.53Y     | 125.5        | -0.00           | 0.47   | 7.83         | 2        | 58         | 10   | 99      |            |           |                   |                                     | 0  | 0    | 0          | 14           |
|              |             | C   |                    | 7.50Y     | 124.9        | 0.00            | 1.08   | 4.25         | 1        | 32         | 3    | 99      |            |           |                   |                                     | 0  | 0    | 0          | 8            |
| PD.420-A     | PL.10044    | A   | Closed             | 7.36Y     | 122.7        | 0.00            | 3.29   | 42.13        | 0        | 308        | 34   | 99      | 0.00       | 0.0       | 8.172             | 0.000                               | 0  | 0    | 0          | 30           |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.47   | 7.83         | 0        | 58         | 10   | 99      |            |           |                   |                                     | 0  | 0    | 0          | 14           |
|              |             | C   |                    | 7.50Y     | 124.9        | 0.00            | 1.08   | 4.25         | 0        | 32         | 3    | 99      |            |           |                   |                                     | 0  | 0    | 0          | 8            |
| PD.420-B     | PD.420-A    | A   | Closed             | 7.36Y     | 122.7        | 0.00            | 3.29   | 42.13        | 0        | 308        | 34   | 99      | 0.00       | 0.0       | 8.172             | 0.000                               | 0  | 0    | 0          | 30           |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.47   | 7.83         | 0        | 58         | 10   | 99      |            |           |                   |                                     | 0  | 0    | 0          | 14           |
|              |             | C   |                    | 7.50Y     | 124.9        | 0.00            | 1.08   | 4.25         | 0        | 32         | 3    | 99      |            |           |                   |                                     | 0  | 0    | 0          | 8            |
| PL.10043     | PD.420-B    | A   | 1/0ACSR            | 7.36Y     | 122.7        | 0.05            | 3.33   | 42.13        | 13       | 308        | 34   | 99      | 0.10       | 0.0       | 8.225             | 0.053                               | 0  | 0    | 0          | 30           |
|              |             | B   |                    | 7.53Y     | 125.5        | -0.01           | 0.46   | 7.83         | 2        | 58         | 10   | 99      |            |           |                   |                                     | 0  | 0    | 0          | 14           |
|              |             | C   |                    | 7.49Y     | 124.9        | 0.01            | 1.09   | 4.25         | 1        | 32         | 3    | 99      |            |           |                   |                                     | 0  | 0    | 0          | 8            |
| PL.2980      | PL.10043    | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.46   | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 8.278             | 0.053                               | 0  | 0    | 0          | 1            |
| 470816       | PL.2980     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.46   | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 8.278             | 0.000                               | 0  | 0    | 1          | 1            |
| PL.25358     | PL.10043    | A   | 1/0ACSR            | 7.35Y     | 122.6        | 0.11            | 3.44   | 42.13        | 13       | 308        | 34   | 99      | 0.24       | 0.1       | 8.353             | 0.128                               | 0  | 0    | 0          | 30           |
|              |             | B   |                    | 7.53Y     | 125.6        | -0.03           | 0.43   | 7.77         | 2        | 58         | 10   | 99      |            |           |                   |                                     | 0  | 0    | 0          | 13           |
|              |             | C   |                    | 7.49Y     | 124.9        | 0.03            | 1.12   | 4.25         | 1        | 32         | 3    | 99      |            |           |                   |                                     | 0  | 0    | 0          | 8            |
| PL.24939     | PL.25358    | A   | 1/0ACSR            | 7.35Y     | 122.4        | 0.13            | 3.57   | 42.13        | 13       | 308        | 34   | 99      | 0.30       | 0.1       | 8.511             | 0.157                               | 0  | 0    | 0          | 30           |
|              |             | B   |                    | 7.54Y     | 125.6        | -0.05           | 0.38   | 3.47         | 1        | 26         | 3    | 99      |            |           |                   |                                     | 0  | 0    | 0          | 5            |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.04            | 1.16   | 4.25         | 1        | 32         | 3    | 99      |            |           |                   |                                     | 0  | 0    | 0          | 8            |
| PL.42589     | PL.24939    | A   | 1/0ACSR            | 7.32Y     | 122.0        | 0.44            | 4.01   | 42.13        | 13       | 308        | 34   | 99      | 1.00       | 0.3       | 9.043             | 0.532                               | 0  | 0    | 0          | 30           |
|              |             | B   |                    | 7.55Y     | 125.8        | -0.18           | 0.20   | 1.67         | 1        | 13         | 1    | 99      |            |           |                   |                                     | 0  | 0    | 0          | 4            |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.14            | 1.30   | 4.25         | 1        | 32         | 3    | 99      |            |           |                   |                                     | 0  | 0    | 0          | 8            |
| C PD.8514    | PL.42589    | A   | fuse6AMP           | 7.32Y     | 122.0        | 0.00            | 4.01   | 42.13        | 720      | 307        | 32   | 99      | 0.00       | 0.0       | 9.043             | 0.000                               | 0  | 0    | 0          | 30           |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.00            | 0.20   | 1.67         | 29       | 13         | 1    | 99      |            |           |                   |                                     | 0  | 0    | 0          | 4            |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.00            | 1.30   | 4.25         | 73       | 32         | 3    | 99      |            |           |                   |                                     | 0  | 0    | 0          | 8            |
| PL.42588     | PD.8514     | A   | 1/0ACSR            | 7.32Y     | 122.0        | 0.01            | 4.02   | 42.13        | 13       | 307        | 32   | 99      | 0.01       | 0.0       | 9.049             | 0.006                               | 0  | 0    | 0          | 30           |
|              |             | B   |                    | 7.55Y     | 125.8        | -0.00           | 0.20   | 1.67         | 1        | 13         | 1    | 99      |            |           |                   |                                     | 0  | 0    | 0          | 4            |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.00            | 1.30   | 4.25         | 1        | 32         | 3    | 99      |            |           |                   |                                     | 0  | 0    | 0          | 8            |
| PL.25421     | PL.42588    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.67            | 4.69   | 42.13        | 22       | 307        | 32   | 99      | 1.60       | 0.5       | 9.427             | 0.378                               | 0  | 0    | 0          | 30           |
| PL.9092      | PL.25421    | A   | 4ACSR              | 7.27Y     | 121.2        | 0.14            | 4.83   | 41.43        | 21       | 300        | 31   | 99      | 0.33       | 0.1       | 9.507             | 0.080                               | 0  | 0    | 0          | 28           |
| PL.42595     | PL.9092     | A   | 4ACSR              | 7.27Y     | 121.1        | 0.07            | 4.90   | 40.55        | 21       | 293        | 30   | 99      | 0.17       | 0.1       | 9.550             | 0.043                               | 0  | 0    | 0          | 27           |
| PL.42597     | PL.42595    | A   | 4ACSR              | 7.27Y     | 121.1        | 0.00            | 4.90   | 1.79         | 1        | 13         | 1    | 100     | 0.00       | 0.0       | 9.555             | 0.005                               | 0  | 0    | 0          | 1            |
| PD.8517      | PL.42597    | A   | fuse6AMP           | 7.27Y     | 121.1        | 0.00            | 4.90   | 1.79         | 31       | 13         | 1    | 100     | 0.00       | 0.0       | 9.555             | 0.000                               | 0  | 0    | 0          | 1            |
| PL.42598     | PD.8517     | A   | 4ACSR              | 7.27Y     | 121.1        | 0.01            | 4.91   | 1.79         | 1        | 13         | 1    | 100     | 0.00       | 0.0       | 9.628             | 0.073                               | 0  | 0    | 0          | 1            |
| 418818       | PL.42598    | A   | Consumer           | 7.27Y     | 121.1        | 0.00            | 4.91   | 1.79         | 0        | 13         | 1    | 100     | 0.00       | 0.0       | 9.628             | 0.000                               | 13 | 1    | 1          | 1            |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW     | KVAR  | Cons<br>On | Cons<br>Thru |           |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-------------------|-------------------------------------|--------|-------|------------|--------------|-----------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss |                   |                                     |        |       |            |              | %<br>Loss |    |
| PL.42596     | PL.42595    | A   | 4ACSR              | 7.26Y     | 121.0        | 0.09            | 5.00                     | 38.75        | 20       | 280        | 29      | 99         | 0.21              | 0.1                                 | 9.607  | 0.057 | 0          | 0            | 0         | 26 |
| PL.2215      | PL.42596    | A   | 4ACSR              | 7.26Y     | 121.0        | 0.00            | 5.00                     | 1.66         | 1        | 12         | 1       | 100        | 0.00              | 0.0                                 | 9.645  | 0.037 | 0          | 0            | 0         | 1  |
| 418819       | PL.2215     | A   | Consumer           | 7.26Y     | 121.0        | 0.00            | 5.00                     | 1.66         | 0        | 12         | 1       | 100        | 0.00              | 0.0                                 | 9.645  | 0.000 | 12         | 1            | 1         | 1  |
| PL.9089      | PL.42596    | A   | 4ACSR              | 7.24Y     | 120.7        | 0.29            | 5.29                     | 37.10        | 19       | 268        | 27      | 99         | 0.61              | 0.2                                 | 9.792  | 0.185 | 0          | 0            | 0         | 25 |
| PL.9090      | PL.9089     | A   | 4ACSR              | 7.23Y     | 120.5        | 0.23            | 5.52                     | 34.49        | 18       | 249        | 25      | 99         | 0.45              | 0.2                                 | 9.952  | 0.159 | 0          | 0            | 0         | 21 |
| PL.42601     | PL.9090     | A   | 4ACSR              | 7.21Y     | 120.2        | 0.24            | 5.75                     | 34.49        | 18       | 248        | 25      | 99         | 0.46              | 0.2                                 | 10.115 | 0.163 | 0          | 0            | 0         | 21 |
| PD.8519-A    | PL.42601    | A   | Closed             | 7.21Y     | 120.2        | 0.00            | 5.75                     | 34.49        | 0        | 248        | 24      | 100        | 0.00              | 0.0                                 | 10.115 | 0.000 | 0          | 0            | 0         | 21 |
| PD.8519-B    | PD.8519-A   | A   | Closed             | 7.21Y     | 120.2        | 0.00            | 5.75                     | 34.49        | 0        | 248        | 24      | 100        | 0.00              | 0.0                                 | 10.115 | 0.000 | 0          | 0            | 0         | 21 |
| PL.42602     | PD.8519-B   | A   | 4ACSR              | 7.21Y     | 120.2        | 0.02            | 5.78                     | 34.49        | 18       | 248        | 24      | 100        | 0.05              | 0.0                                 | 10.132 | 0.017 | 0          | 0            | 0         | 21 |
| PL.9098      | PL.42602    | A   | 4ACSR              | 7.21Y     | 120.1        | 0.09            | 5.87                     | 33.92        | 17       | 244        | 24      | 100        | 0.18              | 0.1                                 | 10.197 | 0.065 | 0          | 0            | 0         | 19 |
| PL.9095      | PL.9098     | A   | 4ACSR              | 7.20Y     | 120.0        | 0.12            | 5.99                     | 32.95        | 17       | 236        | 23      | 100        | 0.22              | 0.1                                 | 10.283 | 0.086 | 0          | 0            | 0         | 18 |
| PL.42605     | PL.9095     | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.99                     | 1.05         | 1        | 7          | 1       | 99         | 0.00              | 0.0                                 | 10.289 | 0.006 | 0          | 0            | 0         | 1  |
| PL.42606     | PL.42605    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.01            | 6.00                     | 1.05         | 1        | 7          | 1       | 99         | 0.00              | 0.0                                 | 10.427 | 0.138 | 0          | 0            | 0         | 1  |
| PL.5182      | PL.42606    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 6.00                     | 1.05         | 1        | 7          | 1       | 99         | 0.00              | 0.0                                 | 10.501 | 0.075 | 0          | 0            | 0         | 1  |
| 418801       | PL.5182     | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 6.00                     | 1.05         | 0        | 7          | 1       | 99         | 0.00              | 0.0                                 | 10.501 | 0.000 | 7          | 1            | 1         | 1  |
| 418816       | PL.42606    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 6.00                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 10.427 | 0.000 | 0          | 0            | 0         | 0  |
| PL.42603     | PL.9095     | A   | 4ACSR              | 7.20Y     | 120.0        | 0.01            | 6.00                     | 31.91        | 16       | 229        | 22      | 100        | 0.01              | 0.0                                 | 10.288 | 0.005 | 0          | 0            | 0         | 17 |
| PL.42604     | PL.42603    | A   | 4ACSR              | 7.19Y     | 119.9        | 0.14            | 6.13                     | 31.91        | 16       | 229        | 22      | 100        | 0.25              | 0.1                                 | 10.390 | 0.102 | 0          | 0            | 0         | 17 |
| 418810       | PL.42604    | A   | Consumer           | 7.19Y     | 119.9        | 0.00            | 6.13                     | 0.40         | 0        | 3          | 0       | 100        | 0.00              | 0.0                                 | 10.390 | 0.000 | 3          | 0            | 1         | 1  |
| PL.9099      | PL.42604    | A   | 4ACSR              | 7.18Y     | 119.7        | 0.18            | 6.31                     | 31.51        | 16       | 226        | 22      | 100        | 0.33              | 0.1                                 | 10.528 | 0.138 | 0          | 0            | 0         | 16 |
| PL.42608     | PL.9099     | A   | 4ACSR              | 7.18Y     | 119.7        | 0.04            | 6.35                     | 8.85         | 5        | 63         | 5       | 100        | 0.02              | 0.0                                 | 10.625 | 0.097 | 0          | 0            | 0         | 15 |
| PL.42613     | PL.42608    | A   | 4ACSR              | 7.18Y     | 119.6        | 0.00            | 6.35                     | 3.93         | 2        | 28         | 3       | 99         | 0.00              | 0.0                                 | 10.632 | 0.007 | 0          | 0            | 0         | 8  |
| PL.42614     | PL.42613    | A   | 4ACSR              | 7.18Y     | 119.6        | 0.01            | 6.36                     | 3.93         | 2        | 28         | 3       | 99         | 0.00              | 0.0                                 | 10.665 | 0.033 | 0          | 0            | 0         | 8  |
| PL.10336     | PL.42614    | A   | 4ACSR              | 7.18Y     | 119.6        | 0.01            | 6.36                     | 3.93         | 2        | 28         | 3       | 99         | 0.00              | 0.0                                 | 10.707 | 0.041 | 0          | 0            | 0         | 8  |
| PL.42617     | PL.10336    | A   | 4ACSR              | 7.18Y     | 119.6        | 0.00            | 6.36                     | 0.68         | 0        | 5          | 1       | 98         | 0.00              | 0.0                                 | 10.712 | 0.005 | 0          | 0            | 0         | 1  |
| PL.42618     | PL.42617    | A   | 4ACSR              | 7.18Y     | 119.6        | 0.00            | 6.37                     | 0.68         | 0        | 5          | 1       | 98         | 0.00              | 0.0                                 | 10.817 | 0.105 | 0          | 0            | 0         | 1  |
| 418713       | PL.42618    | A   | Consumer           | 7.18Y     | 119.6        | 0.00            | 6.37                     | 0.68         | 0        | 5          | 1       | 98         | 0.00              | 0.0                                 | 10.817 | 0.000 | 5          | 1            | 1         | 1  |
| PL.10337     | PL.10336    | A   | 4ACSR              | 7.18Y     | 119.6        | 0.02            | 6.38                     | 3.26         | 2        | 23         | 2       | 100        | 0.00              | 0.0                                 | 10.825 | 0.119 | 0          | 0            | 0         | 7  |
| PL.42620     | PL.10337    | A   | 1/0EPRJCN          | 7.18Y     | 119.6        | 0.00            | 6.38                     | 0.73         | 0        | 5          | 0       | 100        | 0.00              | 0.0                                 | 10.831 | 0.005 | 0          | 0            | 0         | 1  |
| PD.8526      | PL.42620    | A   | fuse6AMP           | 7.18Y     | 119.6        | 0.00            | 6.38                     | 0.73         | 13       | 5          | 0       | 100        | 0.00              | 0.0                                 | 10.831 | 0.000 | 0          | 0            | 0         | 1  |
| PL.42619     | PD.8526     | A   | 1/0EPRJCN          | 7.18Y     | 119.6        | 0.00            | 6.38                     | 0.73         | 0        | 5          | 0       | 100        | 0.00              | 0.0                                 | 10.890 | 0.059 | 0          | 0            | 0         | 1  |
| 418705       | PL.42619    | A   | Consumer           | 7.18Y     | 119.6        | 0.00            | 6.38                     | 0.74         | 0        | 5          | 1       | 98         | 0.00              | 0.0                                 | 10.890 | 0.000 | 5          | 1            | 1         | 1  |
| PL.10338     | PL.10337    | A   | 4ACSR              | 7.18Y     | 119.6        | 0.01            | 6.39                     | 2.50         | 1        | 18         | 2       | 99         | 0.00              | 0.0                                 | 10.927 | 0.102 | 0          | 0            | 0         | 5  |
| 418721       | PL.10338    | A   | Consumer           | 7.18Y     | 119.6        | 0.00            | 6.39                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 10.927 | 0.000 | 0          | 0            | 0         | 0  |
| PL.42625     | PL.10338    | A   | 4ACSR              | 7.18Y     | 119.6        | 0.00            | 6.39                     | 2.50         | 1        | 18         | 2       | 99         | 0.00              | 0.0                                 | 10.932 | 0.005 | 0          | 0            | 0         | 5  |
| PD.8529      | PL.42625    | A   | fuse6AMP           | 7.18Y     | 119.6        | 0.00            | 6.39                     | 2.50         | 43       | 18         | 2       | 99         | 0.00              | 0.0                                 | 10.932 | 0.000 | 0          | 0            | 0         | 5  |
| PL.42626     | PD.8529     | A   | 4ACSR              | 7.18Y     | 119.6        | 0.01            | 6.40                     | 2.50         | 1        | 18         | 2       | 99         | 0.00              | 0.0                                 | 10.995 | 0.063 | 0          | 0            | 0         | 5  |
| PL.2194      | PL.42626    | A   | 4ACSR              | 7.18Y     | 119.6        | 0.00            | 6.40                     | 2.43         | 1        | 17         | 2       | 99         | 0.00              | 0.0                                 | 11.009 | 0.014 | 0          | 0            | 0         | 3  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| 418703       | PL.2194     | A   | Consumer           | 7.18Y     | 119.6        | 0.00            | 6.40                     | 1.90         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 11.009                              | 0.000 | 14   | 1          | 1            | 1   |
| 418716       | PL.2194     | A   | Consumer           | 7.18Y     | 119.6        | 0.00            | 6.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.009                              | 0.000 | 0    | 0          | 1            | 1   |
| 418702       | PL.2194     | A   | Consumer           | 7.18Y     | 119.6        | 0.00            | 6.40                     | 0.53         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 11.009                              | 0.000 | 4    | 0          | 1            | 1   |
| PL.9102      | PL.42626    | A   | 4ACSR              | 7.18Y     | 119.6        | 0.00            | 6.40                     | 0.07         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.132                              | 0.137 | 0    | 0          | 0            | 2   |
| 418717       | PL.9102     | A   | Consumer           | 7.18Y     | 119.6        | 0.00            | 6.40                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.132                              | 0.000 | 0    | 0          | 1            | 1   |
| 418701       | PL.9102     | A   | Consumer           | 7.18Y     | 119.6        | 0.00            | 6.40                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.132                              | 0.000 | 0    | 0          | 1            | 1   |
| 418711       | PL.10337    | A   | Consumer           | 7.18Y     | 119.6        | 0.00            | 6.38                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.825                              | 0.000 | 0    | 0          | 1            | 1   |
| PL.42611     | PL.42608    | A   | 4ACSR              | 7.18Y     | 119.6        | 0.00            | 6.35                     | 4.92         | 3        | 35         | 3       | 100        | 0.00      | 0.0               | 10.630                              | 0.005 | 0    | 0          | 0            | 7   |
| PL.42612     | PL.42611    | A   | 4ACSR              | 7.17Y     | 119.6        | 0.07            | 6.42                     | 4.92         | 3        | 35         | 3       | 100        | 0.02      | 0.1               | 10.963                              | 0.333 | 0    | 0          | 0            | 7   |
| PL.42624     | PL.42612    | A   | 4ACSR              | 7.17Y     | 119.6        | 0.00            | 6.42                     | 4.56         | 2        | 33         | 3       | 100        | 0.00      | 0.0               | 10.969                              | 0.006 | 0    | 0          | 0            | 5   |
| PD.8528      | PL.42624    | A   | fuse6AMP           | 7.17Y     | 119.6        | 0.00            | 6.42                     | 4.56         | 78       | 33         | 3       | 100        | 0.00      | 0.0               | 10.969                              | 0.000 | 0    | 0          | 0            | 5   |
| PL.42623     | PD.8528     | A   | 4ACSR              | 7.17Y     | 119.6        | 0.01            | 6.43                     | 4.56         | 2        | 33         | 3       | 100        | 0.00      | 0.0               | 11.041                              | 0.072 | 0    | 0          | 0            | 5   |
| PL.2192      | PL.42623    | A   | 4ACSR              | 7.17Y     | 119.6        | 0.01            | 6.44                     | 3.68         | 2        | 26         | 2       | 100        | 0.00      | 0.0               | 11.089                              | 0.048 | 0    | 0          | 0            | 4   |
| PL.2196      | PL.2192     | A   | 4ACSR              | 7.17Y     | 119.5        | 0.01            | 6.45                     | 2.61         | 1        | 19         | 1       | 100        | 0.00      | 0.0               | 11.187                              | 0.098 | 0    | 0          | 0            | 3   |
| PL.2197      | PL.2196     | A   | 4ACSR              | 7.17Y     | 119.5        | 0.01            | 6.46                     | 1.71         | 1        | 12         | 0       | 100        | 0.00      | 0.0               | 11.317                              | 0.130 | 0    | 0          | 0            | 2   |
| 418720       | PL.2197     | A   | Consumer           | 7.17Y     | 119.5        | 0.00            | 6.46                     | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.317                              | 0.000 | 0    | 0          | 1            | 1   |
| PL.35651     | PL.2197     | A   | 1/0EPRJCN          | 7.17Y     | 119.5        | 0.01            | 6.47                     | 1.65         | 1        | 12         | 0       | 100        | 0.00      | 0.0               | 11.515                              | 0.198 | 0    | 0          | 0            | 1   |
| 4187022      | PL.35651    | A   | Consumer           | 7.17Y     | 119.5        | 0.00            | 6.47                     | 1.66         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 11.515                              | 0.000 | 12   | 1          | 1            | 1   |
| 418718       | PL.2196     | A   | Consumer           | 7.17Y     | 119.5        | 0.00            | 6.45                     | 0.90         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 11.187                              | 0.000 | 6    | 1          | 1            | 1   |
| 418715       | PL.2192     | A   | Consumer           | 7.17Y     | 119.6        | 0.00            | 6.44                     | 1.07         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 11.089                              | 0.000 | 8    | 1          | 1            | 1   |
| 4187023      | PL.2192     | A   | Consumer           | 7.17Y     | 119.6        | 0.00            | 6.44                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.089                              | 0.000 | 0    | 0          | 0            | 0   |
| 418712       | PL.2192     | A   | Consumer           | 7.17Y     | 119.6        | 0.00            | 6.44                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.089                              | 0.000 | 0    | 0          | 0            | 0   |
| 418707       | PL.42623    | A   | Consumer           | 7.17Y     | 119.6        | 0.00            | 6.43                     | 0.89         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 11.041                              | 0.000 | 6    | 1          | 1            | 1   |
| 418719       | PL.42612    | A   | Consumer           | 7.17Y     | 119.6        | 0.00            | 6.42                     | 0.36         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 10.963                              | 0.000 | 3    | 0          | 1            | 1   |
| PL.42621     | PL.42612    | A   | 4ACSR              | 7.17Y     | 119.6        | 0.00            | 6.42                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.970                              | 0.007 | 0    | 0          | 0            | 1   |
| PD.8527      | PL.42621    | A   | fuse6AMP           | 7.17Y     | 119.6        | 0.00            | 6.42                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.970                              | 0.000 | 0    | 0          | 0            | 1   |
| PL.42622     | PD.8527     | A   | 4ACSR              | 7.17Y     | 119.6        | 0.00            | 6.42                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.157                              | 0.188 | 0    | 0          | 0            | 1   |
| 418710       | PL.42622    | A   | Consumer           | 7.17Y     | 119.6        | 0.00            | 6.42                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.157                              | 0.000 | 0    | 0          | 1            | 1   |
| PL.42615     | PL.9099     | A   | 1/0EPRJCN          | 7.18Y     | 119.7        | 0.00            | 6.32                     | 22.66        | 12       | 162        | 16      | 100        | 0.00      | 0.0               | 10.533                              | 0.005 | 0    | 0          | 0            | 1   |
| C PD.8524    | PL.42615    | A   | fuse6AMP           | 7.18Y     | 119.7        | 0.00            | 6.32                     | 22.66        | 387      | 162        | 16      | 100        | 0.00      | 0.0               | 10.533                              | 0.000 | 0    | 0          | 0            | 1 C |
| PL.42616     | PD.8524     | A   | 1/0EPRJCN          | 7.18Y     | 119.6        | 0.08            | 6.39                     | 22.66        | 12       | 162        | 16      | 100        | 0.10      | 0.1               | 10.698                              | 0.165 | 0    | 0          | 0            | 1   |
| 418815       | PL.42616    | A   | Consumer           | 7.18Y     | 119.6        | 0.00            | 6.39                     | 22.67        | 0        | 162        | 17      | 99         | 0.00      | 0.0               | 10.698                              | 0.000 | 162  | 17         | 1            | 1   |
| 418817       | PL.9098     | A   | Consumer           | 7.21Y     | 120.1        | 0.00            | 5.87                     | 0.97         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 10.197                              | 0.000 | 7    | 1          | 1            | 1   |
| PL.10030     | PL.42602    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.00            | 5.78                     | 0.56         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 10.146                              | 0.013 | 0    | 0          | 0            | 2   |
| PD.552       | PL.10030    | A   | fuse6AMP           | 7.21Y     | 120.2        | 0.00            | 5.78                     | 0.56         | 10       | 4          | 0       | 100        | 0.00      | 0.0               | 10.146                              | 0.000 | 0    | 0          | 0            | 2   |
| PL.10031     | PD.552      | A   | 4ACSR              | 7.21Y     | 120.2        | 0.00            | 5.78                     | 0.56         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 10.288                              | 0.143 | 0    | 0          | 0            | 2   |
| PL.2208      | PL.10031    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.00            | 5.78                     | 0.56         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 10.351                              | 0.063 | 0    | 0          | 0            | 2   |
| 418803       | PL.2208     | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.78                     | 0.56         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 10.351                              | 0.000 | 4    | 0          | 1            | 1   |



Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 418811       | PL.2208     | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.78                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.351                              | 0.000 | 0    | 0          | 1            | 1 |
| PL.42599     | PL.9089     | A   | 4ACSR              | 7.24Y     | 120.7        | 0.00            | 5.29                     | 2.61         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 9.798                               | 0.005 | 0    | 0          | 0            | 4 |
| PD.8518      | PL.42599    | A   | fuse6AMP           | 7.24Y     | 120.7        | 0.00            | 5.29                     | 2.61         | 45       | 19         | 2       | 99         | 0.00      | 0.0               | 9.798                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.42600     | PD.8518     | A   | 4ACSR              | 7.24Y     | 120.7        | 0.00            | 5.29                     | 2.61         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 9.807                               | 0.009 | 0    | 0          | 0            | 4 |
| PL.2205      | PL.42600    | A   | 4ACSR              | 7.24Y     | 120.7        | 0.00            | 5.29                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.918                               | 0.111 | 0    | 0          | 0            | 1 |
| 418807       | PL.2205     | A   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.29                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.918                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.9094      | PL.42600    | A   | 4ACSR              | 7.24Y     | 120.7        | 0.03            | 5.31                     | 2.60         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 10.039                              | 0.232 | 0    | 0          | 0            | 3 |
| 418809       | PL.9094     | A   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.31                     | 0.74         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 10.039                              | 0.000 | 5    | 1          | 1            | 1 |
| 418808       | PL.9094     | A   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.31                     | 0.48         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 10.039                              | 0.000 | 3    | 0          | 1            | 1 |
| 418805       | PL.9094     | A   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.31                     | 1.39         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 10.039                              | 0.000 | 10   | 1          | 1            | 1 |
| 418804       | PL.9094     | A   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.31                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.039                              | 0.000 | 0    | 0          | 0            | 0 |
| PL.42592     | PL.9092     | A   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.83                     | 0.88         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 9.511                               | 0.003 | 0    | 0          | 0            | 1 |
| PD.8516      | PL.42592    | A   | fuse6AMP           | 7.27Y     | 121.2        | 0.00            | 4.83                     | 0.88         | 15       | 6          | 1       | 99         | 0.00      | 0.0               | 9.511                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.42593     | PD.8516     | A   | 4ACSR              | 7.27Y     | 121.2        | 0.01            | 4.84                     | 0.88         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 9.658                               | 0.147 | 0    | 0          | 0            | 1 |
| PL.2203      | PL.42593    | A   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.84                     | 0.88         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 9.781                               | 0.123 | 0    | 0          | 0            | 1 |
| PL.2201      | PL.2203     | A   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.84                     | 0.88         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 9.855                               | 0.074 | 0    | 0          | 0            | 1 |
| 419808       | PL.2201     | A   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.84                     | 0.88         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 9.855                               | 0.000 | 6    | 1          | 1            | 1 |
| 419803       | PL.42593    | A   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.84                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.658                               | 0.000 | 0    | 0          | 0            | 0 |
| 419805       | PL.42593    | A   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.84                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.658                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.42590     | PL.25421    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.69                     | 0.71         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 9.431                               | 0.004 | 0    | 0          | 0            | 2 |
| PD.8515      | PL.42590    | A   | fuse6AMP           | 7.28Y     | 121.3        | 0.00            | 4.69                     | 0.71         | 12       | 5          | 1       | 98         | 0.00      | 0.0               | 9.431                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.42591     | PD.8515     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.70                     | 0.71         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 9.804                               | 0.373 | 0    | 0          | 0            | 2 |
| 419809       | PL.42591    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.70                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.804                               | 0.000 | 0    | 0          | 1            | 1 |
| 419807       | PL.42591    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.70                     | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 9.804                               | 0.000 | 5    | 1          | 1            | 1 |
| 419919       | PL.42588    | B   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20                     | 0.70         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 9.049                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.42586     | PL.42588    | B   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.20                     | 0.97         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 9.055                               | 0.005 | 0    | 0          | 0            | 3 |
| PD.8513      | PL.42586    | B   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.20                     | 0.97         | 17       | 7          | 1       | 99         | 0.00      | 0.0               | 9.055                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.42587     | PD.8513     | B   | 4ACSR              | 7.55Y     | 125.8        | 0.01            | 0.21                     | 0.97         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 9.279                               | 0.224 | 0    | 0          | 0            | 3 |
| PL.2204      | PL.42587    | B   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.64         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 9.364                               | 0.085 | 0    | 0          | 0            | 1 |
| 418904       | PL.2204     | B   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.64         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 9.364                               | 0.000 | 5    | 0          | 1            | 1 |
| PL.25418     | PL.42587    | B   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.375                               | 0.096 | 0    | 0          | 0            | 2 |
| PL.25419     | PL.25418    | B   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.519                               | 0.145 | 0    | 0          | 0            | 2 |
| PL.2206      | PL.25419    | B   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.676                               | 0.156 | 0    | 0          | 0            | 1 |
| 418906       | PL.2206     | B   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.676                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.25420     | PL.25419    | B   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.646                               | 0.127 | 0    | 0          | 0            | 1 |
| PL.2207      | PL.25420    | B   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.720                               | 0.074 | 0    | 0          | 0            | 1 |
| 418905       | PL.2207     | B   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.720                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.6594      | PL.42588    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.31                     | 4.25         | 2        | 32         | 3       | 100        | 0.00      | 0.0               | 9.127                               | 0.077 | 0    | 0          | 0            | 8 |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf         | Type/<br>Conductor | Pri<br>kV               | Base<br>Volt            | Element<br>Drop       | Units Displayed In Volts |                       |             |                |              |                  |                      | mi<br>From<br>Src | -----Element-----       |                         | Cons<br>On  | Cons<br>Thru |               |      |
|--------------|-------------|-------------|--------------------|-------------------------|-------------------------|-----------------------|--------------------------|-----------------------|-------------|----------------|--------------|------------------|----------------------|-------------------|-------------------------|-------------------------|-------------|--------------|---------------|------|
|              |             |             |                    |                         |                         |                       | Accum<br>Drop            | Thru<br>Amps          | %<br>Cap    | Thru<br>KW     | KVAR         | %<br>PF          | kW<br>Loss           |                   | %<br>Loss               | Length<br>(mi)          |             |              | KW            | KVAR |
| 470812       | PL.24936    | B           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.47                     | 0.00                  | 0           | 0              | 0            | 100              | 0.00                 | 0.0               | 8.641                   | 0.000                   | 0           | 0            | 1             | 1    |
| 470810       | PL.24935    | B           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.46                     | 0.32                  | 0           | 2              | 0            | 100              | 0.00                 | 0.0               | 8.540                   | 0.000                   | 2           | 0            | 1             | 1    |
| 470815       | PL.25358    | B           | Consumer           | 7.53Y                   | 125.6                   | 0.00                  | 0.43                     | 0.02                  | 0           | 0              | 0            | 100              | 0.00                 | 0.0               | 8.353                   | 0.000                   | 0           | 0            | 1             | 1    |
| PL.2961      | PL.25357    | B           | 4ACSR              | 7.53Y                   | 125.5                   | 0.00                  | 0.50                     | 0.00                  | 0           | 0              | 0            | 100              | 0.00                 | 0.0               | 7.919                   | 0.067                   | 0           | 0            | 0             | 0    |
| PL.42910     | PL.2958     | B           | 4ACSR              | 7.53Y                   | 125.4                   | 0.00                  | 0.56                     | 1.32                  | 1           | 10             | 1            | 100              | 0.00                 | 0.0               | 7.129                   | 0.009                   | 0           | 0            | 0             | 2    |
| PD.8176      | PL.42910    | B           | fuse6AMP           | 7.53Y                   | 125.4                   | 0.00                  | 0.56                     | 1.32                  | 23          | 10             | 1            | 100              | 0.00                 | 0.0               | 7.129                   | 0.000                   | 0           | 0            | 0             | 2    |
| PL.42911     | PD.8176     | B           | 4ACSR              | 7.53Y                   | 125.4                   | 0.01                  | 0.57                     | 1.32                  | 1           | 10             | 1            | 100              | 0.00                 | 0.0               | 7.306                   | 0.178                   | 0           | 0            | 0             | 2    |
| PL.2962      | PL.42911    | B           | 4ACSR              | 7.53Y                   | 125.4                   | 0.00                  | 0.58                     | 1.32                  | 1           | 10             | 1            | 100              | 0.00                 | 0.0               | 7.347                   | 0.041                   | 0           | 0            | 0             | 1    |
| 471808       | PL.2962     | B           | Consumer           | 7.53Y                   | 125.4                   | 0.00                  | 0.58                     | 1.32                  | 0           | 10             | 1            | 100              | 0.00                 | 0.0               | 7.347                   | 0.000                   | 10          | 1            | 1             | 1    |
| PL.2963      | PL.42911    | B           | 4ACSR              | 7.53Y                   | 125.4                   | 0.00                  | 0.57                     | 0.00                  | 0           | 0              | 0            | 100              | 0.00                 | 0.0               | 7.361                   | 0.055                   | 0           | 0            | 0             | 1    |
| 471805       | PL.2963     | B           | Consumer           | 7.53Y                   | 125.4                   | 0.00                  | 0.57                     | 0.00                  | 0           | 0              | 0            | 100              | 0.00                 | 0.0               | 7.361                   | 0.000                   | 0           | 0            | 1             | 1    |
| PL.9811      | PL.25077    | A<br>B<br>C | 6ACWC              | 7.46Y<br>7.52Y<br>7.52Y | 124.3<br>125.4<br>125.3 | 0.00<br>0.00<br>0.00  | 1.73<br>0.60<br>0.73     | 6.83<br>10.94<br>3.84 | 4<br>6<br>2 | 50<br>81<br>29 | 8<br>15<br>2 | 99<br>98<br>100  | 0.00<br>0.00<br>0.00 | 0.0<br>0.0<br>0.0 | 6.380<br>6.380<br>6.380 | 0.003<br>0.000<br>0.000 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>21<br>10 | 7    |
| PD.421-A     | PL.9811     | A<br>B<br>C | Closed             | 7.46Y<br>7.52Y<br>7.52Y | 124.3<br>125.4<br>125.3 | 0.00<br>0.00<br>0.00  | 1.73<br>0.60<br>0.73     | 6.83<br>10.94<br>3.84 | 0<br>0<br>0 | 50<br>81<br>29 | 8<br>15<br>2 | 99<br>98<br>100  | 0.00<br>0.00<br>0.00 | 0.0<br>0.0<br>0.0 | 6.380<br>6.380<br>6.380 | 0.000<br>0.000<br>0.000 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>21<br>10 | 7    |
| PD.421-B     | PD.421-A    | A<br>B<br>C | Closed             | 7.46Y<br>7.52Y<br>7.52Y | 124.3<br>125.4<br>125.3 | 0.00<br>0.00<br>0.00  | 1.73<br>0.60<br>0.73     | 6.83<br>10.94<br>3.84 | 0<br>0<br>0 | 50<br>81<br>29 | 8<br>15<br>2 | 99<br>98<br>100  | 0.00<br>0.00<br>0.00 | 0.0<br>0.0<br>0.0 | 6.380<br>6.380<br>6.380 | 0.000<br>0.000<br>0.000 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>21<br>10 | 7    |
| PL.9812      | PD.421-B    | A<br>B<br>C | 6ACWC              | 7.45Y<br>7.52Y<br>7.52Y | 124.2<br>125.4<br>125.3 | 0.02<br>0.03<br>0.00  | 1.75<br>0.62<br>0.74     | 6.83<br>10.94<br>3.84 | 4<br>6<br>2 | 50<br>81<br>29 | 8<br>15<br>2 | 99<br>98<br>100  | 0.03<br>0.00<br>0.00 | 0.0<br>0.0<br>0.0 | 6.445<br>6.445<br>6.445 | 0.065<br>0.000<br>0.000 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>21<br>10 | 7    |
| PL.24940     | PL.9812     | A<br>B<br>C | 4ACSR              | 7.45Y<br>7.52Y<br>7.52Y | 124.2<br>125.4<br>125.3 | 0.00<br>0.00<br>0.00  | 1.75<br>0.62<br>0.74     | 6.83<br>5.91<br>3.43  | 4<br>3<br>2 | 50<br>44<br>26 | 8<br>9<br>1  | 99<br>98<br>100  | 0.00<br>0.00<br>0.00 | 0.0<br>0.0<br>0.0 | 6.445<br>6.445<br>6.445 | 0.000<br>0.000<br>0.000 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>8<br>9   | 7    |
| PL.25346     | PL.24940    | A<br>B<br>C | 4ACSR              | 7.44Y<br>7.51Y<br>7.51Y | 124.0<br>125.2<br>125.2 | 0.22<br>0.16<br>0.08  | 1.97<br>0.78<br>0.82     | 6.83<br>5.91<br>3.43  | 4<br>3<br>2 | 50<br>44<br>26 | 8<br>9<br>1  | 99<br>98<br>100  | 0.15<br>0.15<br>0.15 | 0.1<br>0.1<br>0.1 | 7.208<br>7.208<br>7.208 | 0.762<br>0.762<br>0.762 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>8<br>9   | 7    |
| PL.9488      | PL.25346    | A<br>B<br>C | 4ACSR              | 7.44Y<br>7.51Y<br>7.51Y | 123.9<br>125.1<br>125.2 | 0.11<br>0.07<br>0.02  | 2.08<br>0.86<br>0.84     | 6.83<br>5.91<br>1.94  | 4<br>3<br>1 | 50<br>44<br>15 | 8<br>9<br>-1 | 99<br>98<br>-100 | 0.07<br>0.07<br>0.07 | 0.1<br>0.1<br>0.1 | 7.578<br>7.578<br>7.578 | 0.370<br>0.370<br>0.370 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>8<br>7   | 7    |
| PL.9487      | PL.9488     | A<br>B<br>C | 4ACSR              | 7.43Y<br>7.51Y<br>7.51Y | 123.9<br>125.1<br>125.2 | 0.01<br>0.01<br>0.00  | 2.09<br>0.86<br>0.84     | 6.83<br>5.91<br>1.94  | 4<br>3<br>1 | 50<br>43<br>15 | 8<br>9<br>-1 | 99<br>98<br>-100 | 0.00<br>0.00<br>0.00 | 0.0<br>0.0<br>0.0 | 7.604<br>7.604<br>7.604 | 0.026<br>0.026<br>0.026 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>8<br>7   | 7    |
| PL.25345     | PL.9487     | A<br>B<br>C | 4ACSR              | 7.43Y<br>7.51Y<br>7.51Y | 123.9<br>125.1<br>125.2 | 0.01<br>0.04<br>0.00  | 2.10<br>0.90<br>0.84     | 0.83<br>5.91<br>1.94  | 0<br>3<br>1 | 6<br>43<br>15  | 1<br>9<br>-1 | 99<br>98<br>-100 | 0.01<br>0.01<br>0.01 | 0.0<br>0.0<br>0.0 | 7.747<br>7.747<br>7.747 | 0.143<br>0.143<br>0.143 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>8<br>7   | 1    |
| PL.25344     | PL.25345    | A<br>B<br>C | 4ACSR              | 7.43Y<br>7.50Y<br>7.51Y | 123.9<br>125.1<br>125.2 | 0.00<br>0.02<br>-0.00 | 2.10<br>0.92<br>0.84     | 0.83<br>5.91<br>1.18  | 0<br>3<br>1 | 6<br>43<br>9   | 1<br>9<br>-2 | 99<br>98<br>-98  | 0.01<br>0.01<br>0.01 | 0.0<br>0.0<br>0.0 | 7.836<br>7.836<br>7.836 | 0.089<br>0.089<br>0.089 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>8<br>3   | 1    |
| PL.25343     | PL.25344    | A<br>B<br>C | 4ACSR              | 7.43Y<br>7.50Y<br>7.51Y | 123.9<br>125.1<br>125.2 | 0.00<br>0.02<br>-0.00 | 2.11<br>0.94<br>0.84     | 0.83<br>4.35<br>1.18  | 0<br>2<br>1 | 6<br>32<br>9   | 1<br>7<br>-2 | 99<br>98<br>-98  | 0.00<br>0.00<br>0.00 | 0.0<br>0.0<br>0.0 | 7.928<br>7.928<br>7.928 | 0.092<br>0.092<br>0.092 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>6<br>3   | 1    |
| PL.25342     | PL.25343    | A<br>B<br>C | 4ACSR              | 7.43Y<br>7.50Y<br>7.51Y | 123.9<br>125.0<br>125.2 | 0.01<br>0.02<br>0.00  | 2.11<br>0.96<br>0.84     | 0.83<br>2.33<br>1.18  | 0<br>1<br>1 | 6<br>17<br>9   | 1<br>5<br>-2 | 99<br>96<br>-98  | 0.00<br>0.00<br>0.00 | 0.0<br>0.0<br>0.0 | 8.076<br>8.076<br>8.076 | 0.148<br>0.148<br>0.148 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>4<br>3   | 1    |
| PL.19497     | PL.25342    | A<br>B<br>C | 4ACSR              | 7.43Y<br>7.50Y<br>7.51Y | 123.9<br>125.0<br>125.2 | 0.01<br>0.02<br>0.00  | 2.12<br>0.97<br>0.84     | 0.83<br>2.33<br>1.18  | 0<br>1<br>1 | 6<br>17<br>9   | 1<br>5<br>-2 | 99<br>96<br>-98  | 0.00<br>0.00<br>0.00 | 0.0<br>0.0<br>0.0 | 8.246<br>8.246<br>8.246 | 0.170<br>0.170<br>0.170 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>4<br>3   | 1    |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PL.19496, PL.19301, PL.19300, PL.9087, PL.41560, PL.41559, PL.9482, P PL.41561, PD.1528, P PL.41566, PL.41565, 4727019, P PL.41567, PL.41564, 472715, 472702, 472714, 472713, PL.9483, PD.1529, PL.9484, 472717, 472716, 472718, 472704, 472705, PL.9485, PD.1538, PL.9486, PL.38070, 4728027.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| PL.2966      | PL.9486     | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.96                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.314                               | 0.201 | 0    | 0          | 0            | 1   |
| PL.2965      | PL.2966     | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.96                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.508                               | 0.194 | 0    | 0          | 0            | 1   |
| PL.2964      | PL.2965     | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.96                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.562                               | 0.054 | 0    | 0          | 0            | 1   |
| PL.3018      | PL.2964     | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.96                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.680                               | 0.117 | 0    | 0          | 0            | 1   |
| 473801       | PL.3018     | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.96                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.680                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.2969      | PL.25344    | B   | 4ACSR              | 7.50Y     | 125.1        | 0.01            | 0.93                     | 1.56         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 7.930                               | 0.095 | 0    | 0          | 0            | 2   |
| 472826       | PL.2969     | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 1.55         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 7.930                               | 0.000 | 11   | 2          | 1            | 1   |
| 472822       | PL.2969     | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.930                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.9489      | PL.25345    | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.79         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.769                               | 0.022 | 0    | 0          | 0            | 4   |
| PD.1536      | PL.9489     | C   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.79         | 14       | 6          | 1       | 99         | 0.00      | 0.0               | 7.769                               | 0.000 | 0    | 0          | 0            | 4   |
| PL.9490      | PD.1536     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.79         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.888                               | 0.120 | 0    | 0          | 0            | 4   |
| PL.2975      | PL.9490     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.85                     | 0.79         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.918                               | 0.030 | 0    | 0          | 0            | 3   |
| PL.2976      | PL.2975     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.85                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.029                               | 0.111 | 0    | 0          | 0            | 1   |
| 472814       | PL.2976     | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.85                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.029                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.2972      | PL.2975     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.85                     | 0.79         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.980                               | 0.062 | 0    | 0          | 0            | 2   |
| 472802       | PL.2972     | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.85                     | 0.12         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 7.980                               | 0.000 | 1    | 0          | 1            | 1   |
| 472812       | PL.2972     | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.85                     | 0.67         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 7.980                               | 0.000 | 5    | 1          | 1            | 1   |
| 472804       | PL.9490     | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.888                               | 0.000 | 0    | 0          | 1            | 1   |
| 472805       | PL.9487     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.09                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.604                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.45497     | PL.9487     | A   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.09                     | 6.00         | 3        | 44         | 7       | 99         | 0.00      | 0.0               | 7.614                               | 0.010 | 0    | 0          | 0            | 5   |
| C PD.1535    | PL.45497    | A   | fuse6AMP           | 7.43Y     | 123.9        | 0.00            | 2.09                     | 6.00         | 102      | 44         | 7       | 99         | 0.00      | 0.0               | 7.614                               | 0.000 | 0    | 0          | 0            | 5 C |
| PL.45500     | PD.1535     | A   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.09                     | 6.00         | 3        | 44         | 7       | 99         | 0.00      | 0.0               | 7.617                               | 0.004 | 0    | 0          | 0            | 5   |
| PL.45501     | PL.45500    | A   | 4ACSR              | 7.43Y     | 123.9        | 0.02            | 2.11                     | 4.97         | 3        | 36         | 6       | 99         | 0.01      | 0.0               | 7.715                               | 0.098 | 0    | 0          | 0            | 4   |
| PL.2973      | PL.45501    | A   | 4ACSR              | 7.43Y     | 123.9        | 0.02            | 2.13                     | 3.26         | 2        | 24         | 4       | 99         | 0.00      | 0.0               | 7.823                               | 0.107 | 0    | 0          | 0            | 3   |
| PL.2977      | PL.2973     | A   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.13                     | 3.26         | 2        | 24         | 4       | 99         | 0.00      | 0.0               | 7.854                               | 0.031 | 0    | 0          | 0            | 3   |
| 472825       | PL.2977     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13                     | 1.77         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 7.854                               | 0.000 | 13   | 2          | 1            | 1   |
| 472820       | PL.2977     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.854                               | 0.000 | 0    | 0          | 1            | 1   |
| 472821       | PL.2977     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13                     | 1.46         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 7.854                               | 0.000 | 11   | 2          | 1            | 1   |
| PL.2974      | PL.45501    | A   | 4ACSR              | 7.43Y     | 123.9        | 0.01            | 2.12                     | 1.71         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 7.802                               | 0.087 | 0    | 0          | 0            | 1   |
| 472819       | PL.2974     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.12                     | 1.71         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 7.802                               | 0.000 | 13   | 2          | 1            | 1   |
| PL.45499     | PL.45500    | A   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.10                     | 1.03         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 7.713                               | 0.096 | 0    | 0          | 0            | 1   |
| 472823       | PL.45499    | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.10                     | 1.03         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 7.713                               | 0.000 | 8    | 1          | 1            | 1   |
| PL.9491      | PL.25346    | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.82                     | 1.51         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 7.224                               | 0.016 | 0    | 0          | 0            | 2   |
| PD.1537      | PL.9491     | C   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.82                     | 1.51         | 26       | 11         | 2       | 98         | 0.00      | 0.0               | 7.224                               | 0.000 | 0    | 0          | 0            | 2   |
| PL.9492      | PD.1537     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.82                     | 1.51         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 7.253                               | 0.029 | 0    | 0          | 0            | 2   |
| PL.2967      | PL.9492     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.82                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.376                               | 0.123 | 0    | 0          | 0            | 1   |
| PL.2968      | PL.2967     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.82                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.405                               | 0.028 | 0    | 0          | 0            | 1   |
| 472824       | PL.2968     | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.82                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.405                               | 0.000 | 0    | 0          | 1            | 1   |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and a '-Base Voltage:120.0-' note.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |           |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|-----------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>% | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.2949      | PL.25350    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.26      | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 7.437                               | 0.213 | 0    | 0          | 0            | 1         |
| 472916       | PL.2949     | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.26      | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 7.437                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.25351     | PL.25350    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.41      | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 7.489                               | 0.266 | 0    | 0          | 0            | 2         |
| PL.24947     | PL.25351    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.41      | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 7.645                               | 0.156 | 0    | 0          | 0            | 2         |
| PL.24948     | PL.24947    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.41      | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 7.757                               | 0.113 | 0    | 0          | 0            | 1         |
| 473903       | PL.24948    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.41      | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 7.757                               | 0.000 | 3    | 1          | 1            | 1         |
| PL.24946     | PL.24948    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.900                               | 0.142 | 0    | 0          | 0            | 0         |
| 473902       | PL.24947    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.01      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.645                               | 0.000 | 0    | 0          | 1            | 1         |
| 472921       | PL.24931    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.71                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.137                               | 0.000 | 0    | 0          | 0            | 0         |
| 472919       | PL.25347    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.67                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.716                               | 0.000 | 0    | 0          | 0            | 0         |
| 472903       | PL.25347    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.67                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.716                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.14915     | PL.25079    | C   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.63                     | 0.73      | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 6.221                               | 0.029 | 0    | 0          | 0            | 2         |
| PD.1533      | PL.14915    | C   | fuse6AMP           | 7.52Y     | 125.4        | 0.00            | 0.63                     | 0.73      | 13       | 5          | 1    | 98      | 0.00       | 0.0               | 6.221                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.26763     | PD.1533     | C   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.63                     | 0.73      | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 6.331                               | 0.110 | 0    | 0          | 0            | 2         |
| 472922       | PL.26763    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.63                     | 0.71      | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 6.331                               | 0.000 | 5    | 1          | 1            | 1         |
| 472910       | PL.26763    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.63                     | 0.03      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.331                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.42863     | PL.25078    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.05                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.061                               | 0.004 | 0    | 0          | 0            | 1         |
| PD.8151      | PL.42863    | A   | fuse6AMP           | 7.50Y     | 125.0        | 0.00            | 1.05                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.061                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.42862     | PD.8151     | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.05                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.143                               | 0.082 | 0    | 0          | 0            | 1         |
| 471912       | PL.42862    | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.05                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.143                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.18215     | PL.10195    | B   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.49                     | 0.90      | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 5.367                               | 0.019 | 0    | 0          | 0            | 3         |
| PD.1609      | PL.18215    | B   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.49                     | 0.90      | 15       | 7          | 1    | 99      | 0.00       | 0.0               | 5.367                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.18216     | PD.1609     | B   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.49                     | 0.90      | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 5.470                               | 0.103 | 0    | 0          | 0            | 3         |
| PL.3278      | PL.18216    | B   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.49                     | 0.90      | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 5.575                               | 0.106 | 0    | 0          | 0            | 3         |
| PL.3280      | PL.3278     | B   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.49                     | 0.01      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.608                               | 0.032 | 0    | 0          | 0            | 2         |
| PL.3281      | PL.3280     | B   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.49                     | 0.01      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.726                               | 0.118 | 0    | 0          | 0            | 2         |
| PL.3282      | PL.3281     | B   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.49                     | 0.01      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.844                               | 0.118 | 0    | 0          | 0            | 1         |
| 481219       | PL.3282     | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.49                     | 0.01      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.844                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.3279      | PL.3281     | B   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.49                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.906                               | 0.180 | 0    | 0          | 0            | 1         |
| 481220       | PL.3279     | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.49                     | 0.00      | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.906                               | 0.000 | 0    | 0          | 1            | 1         |
| 481201       | PL.3278     | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.49                     | 0.89      | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 5.575                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.3289      | PL.10194    | C   | 4ACSR              | 7.25Y     | 120.9        | 0.00            | 5.11                     | 0.77      | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 5.274                               | 0.038 | 0    | 0          | 0            | 1         |
| 481227       | PL.3289     | C   | Consumer           | 7.25Y     | 120.9        | 0.00            | 5.11                     | 0.77      | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 5.274                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.25409     | PL.25511    | C   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.22                     | 0.85      | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.752                               | 0.011 | 0    | 0          | 0            | 1         |
| PD.1608      | PL.25409    | C   | fuse6AMP           | 7.31Y     | 121.8        | 0.00            | 4.22                     | 0.85      | 14       | 6          | 1    | 99      | 0.00       | 0.0               | 4.752                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.25410     | PD.1608     | C   | 4ACSR              | 7.31Y     | 121.8        | 0.01            | 4.23                     | 0.85      | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.893                               | 0.141 | 0    | 0          | 0            | 1         |
| PL.3276      | PL.25410    | C   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.23                     | 0.85      | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.943                               | 0.050 | 0    | 0          | 0            | 1         |
| 481224       | PL.3276     | C   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.23                     | 0.85      | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.943                               | 0.000 | 6    | 1          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 481203       | PL.19469    | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.91                     | 0.25         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 4.722                               | 0.000 | 2    | 0          | 1            | 1 |
| 481204       | PL.27869    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.83                     | 0.42         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 4.637                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.25544     | PL.25549    | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.12         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.125                               | 0.016 | 0    | 0          | 0            | 2 |
| PD.1603      | PL.25544    | C   | fuse6AMP           | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.12         | 2        | 1          | 0         | 100        | 0.00      | 0.0               | 4.125                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.25545     | PD.1603     | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.12         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.188                               | 0.064 | 0    | 0          | 0            | 2 |
| PL.2594      | PL.25545    | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.12         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.362                               | 0.174 | 0    | 0          | 0            | 1 |
| 481309       | PL.2594     | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.12         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.362                               | 0.000 | 1    | 0          | 1            | 1 |
| 481301       | PL.25545    | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.188                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.25546     | PL.25548    | B   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.78                     | 2.85         | 1        | 21         | 2         | 100        | 0.00      | 0.0               | 3.766                               | 0.024 | 0    | 0          | 0            | 3 |
| PD.1607      | PL.25546    | B   | fuse6AMP           | 7.39Y     | 123.2        | 0.00            | 2.78                     | 2.85         | 49       | 21         | 2         | 100        | 0.00      | 0.0               | 3.766                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.25547     | PD.1607     | B   | 4ACSR              | 7.39Y     | 123.2        | 0.02            | 2.80                     | 2.85         | 1        | 21         | 2         | 100        | 0.00      | 0.0               | 3.922                               | 0.156 | 0    | 0          | 0            | 3 |
| PL.7157      | PL.25547    | B   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.80                     | 2.85         | 1        | 21         | 2         | 100        | 0.00      | 0.0               | 3.922                               | 0.000 | 0    | 0          | 0            | 3 |
| 481316       | PL.7157     | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.80                     | 0.80         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 3.922                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.7158      | PL.7157     | B   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.81                     | 2.05         | 1        | 15         | 2         | 99         | 0.00      | 0.0               | 3.968                               | 0.046 | 0    | 0          | 0            | 2 |
| PL.7159      | PL.7158     | B   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.81                     | 0.17         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.042                               | 0.074 | 0    | 0          | 0            | 1 |
| 481313       | PL.7159     | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.81                     | 0.17         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.042                               | 0.000 | 1    | 0          | 1            | 1 |
| 481305       | PL.7158     | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.81                     | 1.88         | 0        | 14         | 1         | 100        | 0.00      | 0.0               | 3.968                               | 0.000 | 14   | 1          | 1            | 1 |
| PL.3290      | PL.25551    | A   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 3.96                     | 0.07         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 3.296                               | 0.071 | 0    | 0          | 0            | 1 |
| 481321       | PL.3290     | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.96                     | 0.07         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 3.296                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.10047     | PL.25553    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.72                     | 0.04         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.097                               | 0.007 | 0    | 0          | 0            | 1 |
| PD.1606      | PL.10047    | C   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.72                     | 0.04         | 1        | 0          | 0         | 100        | 0.00      | 0.0               | 3.097                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.10048     | PD.1606     | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.72                     | 0.04         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.127                               | 0.030 | 0    | 0          | 0            | 1 |
| 481306       | PL.10048    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.72                     | 0.04         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.127                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.25554     | PL.25552    | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.905                               | 0.009 | 0    | 0          | 0            | 0 |
| PD.1605      | PL.25554    | A   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.905                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.25555     | PD.1605     | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.960                               | 0.055 | 0    | 0          | 0            | 0 |
| 481414       | PL.6514     | A   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.57                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.760                               | 0.000 | 0    | 0          | 1            | 1 |
| 481415       | PL.6514     | C   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.760                               | 0.000 | 0    | 0          | 0            | 0 |
| 481403       | PL.6514     | C   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.35         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 2.760                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.25556     | PL.6514     | A   | 4ACSR              | 7.35Y     | 122.4        | 0.00            | 3.57                     | 1.72         | 1        | 13         | 1         | 100        | 0.00      | 0.0               | 2.766                               | 0.006 | 0    | 0          | 0            | 1 |
| PD.1620      | PL.25556    | A   | fuse6AMP           | 7.35Y     | 122.4        | 0.00            | 3.57                     | 1.72         | 29       | 13         | 1         | 100        | 0.00      | 0.0               | 2.766                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.25557     | PD.1620     | A   | 4ACSR              | 7.35Y     | 122.4        | 0.00            | 3.58                     | 1.72         | 1        | 13         | 1         | 100        | 0.00      | 0.0               | 2.816                               | 0.050 | 0    | 0          | 0            | 1 |
| 481422       | PL.25557    | A   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.58                     | 1.72         | 0        | 13         | 1         | 100        | 0.00      | 0.0               | 2.816                               | 0.000 | 13   | 1          | 1            | 1 |
| 481418       | PL.15105    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.53                     | 0.28         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 2.670                               | 0.000 | 2    | 0          | 1            | 1 |
| 481417       | PL.15105    | B   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.97                     | 0.82         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 2.670                               | 0.000 | 6    | 1          | 1            | 1 |
| 481424       | PL.10049    | A   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.32                     | 0.27         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 2.458                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.23955     | PL.10049    | B   | 4ACSR              | 7.45Y     | 124.1        | 0.01            | 1.87                     | 2.14         | 1        | 16         | 2         | 99         | 0.00      | 0.0               | 2.543                               | 0.085 | 0    | 0          | 0            | 1 |
| 481406       | PL.23955    | B   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.87                     | 2.14         | 0        | 16         | 2         | 99         | 0.00      | 0.0               | 2.543                               | 0.000 | 16   | 2          | 1            | 1 |



Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.38764, 482402, etc.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | mi<br>Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                      | %<br>Loss         | KW |            |              | KVAR |
| PL.40285     | PL.38503    | A   | 336ACSR            | 7.37Y     | 122.8        | 0.03            | 3.25                     | 51.67        | 7        | 376        | 61   | 99      | 0.08       | 0.0               | 2.705                | 0.053             | 0  | 0          | 0            | 53   |
|              |             | B   |                    | 7.46Y     | 124.4        | 0.01            | 1.62                     | 43.47        | 6        | 322        | 36   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 65   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.01            | 1.31                     | 25.56        | 4        | 190        | 20   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 34   |
| 4825014      | PL.40285    | A   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.25                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.705                | 0.000             | 0  | 0          | 1            | 1    |
| PL.40286     | PL.40285    | A   | 336ACSR            | 7.36Y     | 122.7        | 0.02            | 3.26                     | 51.66        | 7        | 376        | 61   | 99      | 0.05       | 0.0               | 2.741                | 0.036             | 0  | 0          | 0            | 52   |
|              |             | B   |                    | 7.46Y     | 124.4        | 0.00            | 1.63                     | 43.47        | 6        | 322        | 36   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 65   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.00            | 1.31                     | 25.56        | 4        | 190        | 20   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 34   |
| PL.38513     | PL.40286    | A   | 336ACSR            | 7.36Y     | 122.7        | 0.05            | 3.32                     | 51.66        | 7        | 375        | 61   | 99      | 0.17       | 0.0               | 2.853                | 0.112             | 0  | 0          | 0            | 52   |
|              |             | B   |                    | 7.46Y     | 124.4        | 0.01            | 1.64                     | 43.47        | 6        | 322        | 36   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 65   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.01            | 1.32                     | 25.56        | 4        | 190        | 20   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 34   |
| PL.38518     | PL.38513    | C   | 2ACSR              | 7.48Y     | 124.7        | 0.00            | 1.33                     | 1.32         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 2.935                | 0.082             | 0  | 0          | 0            | 4    |
| PL.38519     | PL.38518    | C   | 2ACSR              | 7.48Y     | 124.7        | 0.00            | 1.33                     | 0.04         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.052                | 0.118             | 0  | 0          | 0            | 2    |
| 482509       | PL.38519    | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.33                     | 0.04         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.052                | 0.000             | 0  | 0          | 1            | 1    |
| 482510       | PL.38519    | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.33                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.052                | 0.000             | 0  | 0          | 1            | 1    |
| PL.6508      | PL.38518    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.33                     | 1.28         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 2.955                | 0.020             | 0  | 0          | 0            | 2    |
| 482502       | PL.6508     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.33                     | 1.26         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 2.955                | 0.000             | 9  | 1          | 1            | 1    |
| 482512       | PL.6508     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.33                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.955                | 0.000             | 0  | 0          | 1            | 1    |
| PL.38522     | PL.38513    | A   | 336ACSR            | 7.36Y     | 122.7        | 0.02            | 3.34                     | 51.66        | 7        | 375        | 61   | 99      | 0.07       | 0.0               | 2.897                | 0.044             | 0  | 0          | 0            | 52   |
|              |             | B   |                    | 7.46Y     | 124.4        | 0.00            | 1.65                     | 43.47        | 6        | 322        | 36   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 65   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.00            | 1.33                     | 24.25        | 3        | 180        | 19   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 30   |
| PL.38524     | PL.38522    | A   | 336ACSR            | 7.36Y     | 122.6        | 0.01            | 3.35                     | 51.66        | 7        | 375        | 61   | 99      | 0.04       | 0.0               | 2.921                | 0.024             | 0  | 0          | 0            | 52   |
|              |             | B   |                    | 7.46Y     | 124.4        | 0.00            | 1.65                     | 43.47        | 6        | 322        | 36   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 65   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.00            | 1.33                     | 24.25        | 3        | 180        | 19   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 30   |
| PL.38526     | PL.38524    | A   | 336ACSR            | 7.36Y     | 122.6        | 0.01            | 3.37                     | 51.66        | 7        | 375        | 61   | 99      | 0.04       | 0.0               | 2.950                | 0.029             | 0  | 0          | 0            | 52   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.65                     | 43.47        | 6        | 322        | 36   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 65   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.00            | 1.33                     | 24.25        | 3        | 180        | 19   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 30   |
| PL.38528     | PL.38526    | A   | 336ACSR            | 7.36Y     | 122.6        | 0.02            | 3.38                     | 51.66        | 7        | 375        | 61   | 99      | 0.05       | 0.0               | 2.983                | 0.033             | 0  | 0          | 0            | 52   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.66                     | 43.47        | 6        | 322        | 36   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 65   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.00            | 1.33                     | 24.25        | 3        | 180        | 19   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 30   |
| PL.38530     | PL.38528    | A   | 336ACSR            | 7.36Y     | 122.6        | 0.02            | 3.41                     | 51.66        | 7        | 375        | 61   | 99      | 0.07       | 0.0               | 3.028                | 0.045             | 0  | 0          | 0            | 52   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.66                     | 43.47        | 6        | 322        | 35   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 65   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.00            | 1.34                     | 24.25        | 3        | 180        | 19   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 30   |
| PL.38539     | PL.38530    | A   | 336ACSR            | 7.35Y     | 122.6        | 0.03            | 3.44                     | 51.56        | 7        | 374        | 61   | 99      | 0.10       | 0.0               | 3.098                | 0.069             | 0  | 0          | 0            | 50   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.01            | 1.67                     | 42.81        | 6        | 317        | 35   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 63   |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.01            | 1.35                     | 24.25        | 3        | 180        | 19   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 30   |
| PL.38550     | PL.38539    | A   | 2ACSR              | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.59         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.110                | 0.013             | 0  | 0          | 0            | 1    |
| PD.6697      | PL.38550    | A   | fuse6AMP           | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.59         | 10       | 4          | 0    | 100     | 0.00       | 0.0               | 3.110                | 0.000             | 0  | 0          | 0            | 1    |
| PL.38551     | PD.6697     | A   | 2ACSR              | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.59         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.140                | 0.030             | 0  | 0          | 0            | 1    |
| 483511       | PL.38551    | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.59         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.140                | 0.000             | 4  | 0          | 1            | 1    |
| PL.38541     | PL.38539    | A   | 336ACSR            | 7.35Y     | 122.5        | 0.04            | 3.48                     | 50.97        | 7        | 370        | 60   | 99      | 0.13       | 0.0               | 3.184                | 0.086             | 0  | 0          | 0            | 49   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.01            | 1.68                     | 42.81        | 6        | 317        | 35   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 63   |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.01            | 1.35                     | 24.25        | 3        | 180        | 19   | 99      |            |                   |                      |                   | 0  | 0          | 0            | 30   |
| PL.38546     | PL.38541    | A   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.48                     | 0.54         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.198                | 0.015             | 0  | 0          | 0            | 2    |
| PD.6695      | PL.38546    | A   | fuse6AMP           | 7.35Y     | 122.5        | 0.00            | 3.48                     | 0.54         | 9        | 4          | 0    | 100     | 0.00       | 0.0               | 3.198                | 0.000             | 0  | 0          | 0            | 2    |
| PL.38547     | PD.6695     | A   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.48                     | 0.54         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.314                | 0.116             | 0  | 0          | 0            | 2    |
| PL.25692     | PL.38547    | A   | 4ACSR              | 7.35Y     | 122.5        | 0.01            | 3.49                     | 0.54         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.582                | 0.267             | 0  | 0          | 0            | 2    |
| 483402       | PL.25692    | A   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.49                     | 0.53         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.582                | 0.000             | 4  | 0          | 1            | 1    |
| 483407       | PL.25692    | A   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.49                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.582                | 0.000             | 0  | 0          | 1            | 1    |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | Element   |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-----------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss | KW |            |              | KVAR |
| PL.38558     | PL.38541    | A   | 336ACSR            | 7.35Y     | 122.5        | 0.02            | 3.50                     | 50.43        | 7        | 366        | 59   | 99      | 0.06       | 0.0               | 3.224          | 0.041     | 0  | 0          | 0            | 47   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.68                     | 42.08        | 6        | 312        | 34   | 99      |            |                   |                |           | 0  | 0          | 0            | 61   |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.00            | 1.36                     | 24.25        | 3        | 180        | 19   | 99      |            |                   |                |           | 0  | 0          | 0            | 30   |
| PL.38559     | PL.38558    | A   | 336ACSR            | 7.35Y     | 122.5        | 0.03            | 3.53                     | 50.43        | 7        | 366        | 59   | 99      | 0.08       | 0.0               | 3.286          | 0.062     | 0  | 0          | 0            | 47   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.69                     | 38.87        | 5        | 288        | 32   | 99      |            |                   |                |           | 0  | 0          | 0            | 58   |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.01            | 1.37                     | 24.25        | 3        | 180        | 19   | 99      |            |                   |                |           | 0  | 0          | 0            | 30   |
| PL.38569     | PL.38559    | A   | 336ACSR            | 7.35Y     | 122.4        | 0.03            | 3.56                     | 50.43        | 7        | 366        | 59   | 99      | 0.08       | 0.0               | 3.348          | 0.061     | 0  | 0          | 0            | 47   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.69                     | 37.18        | 5        | 276        | 30   | 99      |            |                   |                |           | 0  | 0          | 0            | 55   |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.01            | 1.37                     | 24.25        | 3        | 180        | 19   | 99      |            |                   |                |           | 0  | 0          | 0            | 30   |
| PL.38568     | PL.38569    | A   | 336ACSR            | 7.35Y     | 122.4        | 0.02            | 3.58                     | 50.43        | 7        | 366        | 59   | 99      | 0.06       | 0.0               | 3.394          | 0.047     | 0  | 0          | 0            | 47   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.69                     | 34.34        | 5        | 255        | 28   | 99      |            |                   |                |           | 0  | 0          | 0            | 54   |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.01            | 1.38                     | 24.25        | 3        | 180        | 19   | 99      |            |                   |                |           | 0  | 0          | 0            | 30   |
| 483538       | PL.38568    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.72         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 3.394          | 0.000     | 5  | 1          | 1            | 1    |
| 4835043      | PL.38568    | A   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.58                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.394          | 0.000     | 0  | 0          | 0            | 0    |
| PL.38573     | PL.38568    | A   | 336ACSR            | 7.34Y     | 122.4        | 0.02            | 3.59                     | 50.43        | 7        | 366        | 59   | 99      | 0.04       | 0.0               | 3.430          | 0.036     | 0  | 0          | 0            | 47   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.69                     | 33.62        | 5        | 249        | 27   | 99      |            |                   |                |           | 0  | 0          | 0            | 53   |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.01            | 1.39                     | 24.25        | 3        | 180        | 19   | 99      |            |                   |                |           | 0  | 0          | 0            | 30   |
| PL.3117      | PL.38573    | A   | 4ACSR              | 7.34Y     | 122.4        | 0.02            | 3.61                     | 2.49         | 1        | 18         | 2    | 99      | 0.00       | 0.0               | 3.579          | 0.148     | 0  | 0          | 0            | 2    |
| 4835041      | PL.3117     | A   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.61                     | 1.13         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 3.579          | 0.000     | 8  | 1          | 1            | 1    |
| 483537       | PL.3117     | A   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.61                     | 1.36         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 3.579          | 0.000     | 10 | 1          | 1            | 1    |
| PL.38574     | PL.38573    | A   | 336ACSR            | 7.34Y     | 122.4        | 0.02            | 3.62                     | 47.95        | 7        | 348        | 57   | 99      | 0.06       | 0.0               | 3.486          | 0.055     | 0  | 0          | 0            | 45   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.70                     | 33.62        | 5        | 249        | 27   | 99      |            |                   |                |           | 0  | 0          | 0            | 53   |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.01            | 1.40                     | 24.25        | 3        | 180        | 19   | 99      |            |                   |                |           | 0  | 0          | 0            | 30   |
| PL.38578     | PL.38574    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.70                     | 1.22         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 3.498          | 0.013     | 0  | 0          | 0            | 1    |
| PD.6703      | PL.38578    | B   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 1.22         | 21       | 9          | 1    | 99      | 0.00       | 0.0               | 3.498          | 0.000     | 0  | 0          | 0            | 1    |
| PL.38579     | PD.6703     | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.70                     | 1.22         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 3.510          | 0.012     | 0  | 0          | 0            | 1    |
| 483533       | PL.38579    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 1.22         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 3.510          | 0.000     | 9  | 1          | 1            | 1    |
| PL.38576     | PL.38574    | A   | 336ACSR            | 7.34Y     | 122.4        | 0.02            | 3.64                     | 47.95        | 7        | 347        | 57   | 99      | 0.05       | 0.0               | 3.534          | 0.048     | 0  | 0          | 0            | 45   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.70                     | 32.40        | 4        | 240        | 26   | 99      |            |                   |                |           | 0  | 0          | 0            | 52   |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.01            | 1.40                     | 23.04        | 3        | 171        | 18   | 99      |            |                   |                |           | 0  | 0          | 0            | 29   |
| PL.38580     | PL.38576    | A   | 336ACSR            | 7.34Y     | 122.3        | 0.02            | 3.66                     | 47.95        | 7        | 347        | 57   | 99      | 0.05       | 0.0               | 3.581          | 0.047     | 0  | 0          | 0            | 45   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.70                     | 32.40        | 4        | 240        | 26   | 99      |            |                   |                |           | 0  | 0          | 0            | 52   |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.01            | 1.41                     | 23.04        | 3        | 171        | 18   | 99      |            |                   |                |           | 0  | 0          | 0            | 29   |
| PL.38582     | PL.38580    | A   | 336ACSR            | 7.34Y     | 122.3        | 0.03            | 3.68                     | 47.95        | 7        | 347        | 57   | 99      | 0.07       | 0.0               | 3.641          | 0.060     | 0  | 0          | 0            | 45   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.70                     | 32.40        | 4        | 240        | 26   | 99      |            |                   |                |           | 0  | 0          | 0            | 52   |
|              |             | C   |                    | 7.47Y     | 124.6        | 0.01            | 1.42                     | 23.04        | 3        | 171        | 18   | 99      |            |                   |                |           | 0  | 0          | 0            | 29   |
| PL.38584     | PL.38582    | A   | 336ACSR            | 7.34Y     | 122.3        | 0.02            | 3.70                     | 47.95        | 7        | 347        | 57   | 99      | 0.04       | 0.0               | 3.681          | 0.040     | 0  | 0          | 0            | 45   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.70                     | 32.40        | 4        | 240        | 26   | 99      |            |                   |                |           | 0  | 0          | 0            | 52   |
|              |             | C   |                    | 7.47Y     | 124.6        | 0.01            | 1.42                     | 23.04        | 3        | 171        | 18   | 99      |            |                   |                |           | 0  | 0          | 0            | 29   |
| PL.38594     | PL.38584    | A   | 2ACSR              | 7.34Y     | 122.3        | 0.00            | 3.70                     | 1.96         | 1        | 14         | 1    | 100     | 0.00       | 0.0               | 3.693          | 0.012     | 0  | 0          | 0            | 1    |
| PD.6704      | PL.38594    | A   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.70                     | 1.96         | 34       | 14         | 1    | 100     | 0.00       | 0.0               | 3.693          | 0.000     | 0  | 0          | 0            | 1    |
| PL.38595     | PD.6704     | A   | 2ACSR              | 7.34Y     | 122.3        | 0.00            | 3.70                     | 1.96         | 1        | 14         | 1    | 100     | 0.00       | 0.0               | 3.731          | 0.038     | 0  | 0          | 0            | 1    |
| 483525       | PL.38595    | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.70                     | 1.96         | 0        | 14         | 1    | 100     | 0.00       | 0.0               | 3.731          | 0.000     | 14 | 1          | 1            | 1    |
| PL.38588     | PL.38584    | A   | 336ACSR            | 7.34Y     | 122.3        | 0.01            | 3.71                     | 45.99        | 6        | 333        | 55   | 99      | 0.03       | 0.0               | 3.705          | 0.024     | 0  | 0          | 0            | 44   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.71                     | 32.39        | 4        | 240        | 26   | 99      |            |                   |                |           | 0  | 0          | 0            | 49   |
|              |             | C   |                    | 7.47Y     | 124.6        | 0.00            | 1.43                     | 23.04        | 3        | 171        | 18   | 99      |            |                   |                |           | 0  | 0          | 0            | 29   |
| PL.38590     | PL.38588    | A   | 336ACSR            | 7.34Y     | 122.3        | 0.02            | 3.73                     | 45.99        | 6        | 333        | 55   | 99      | 0.06       | 0.0               | 3.761          | 0.056     | 0  | 0          | 0            | 44   |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.71                     | 30.65        | 4        | 227        | 25   | 99      |            |                   |                |           | 0  | 0          | 0            | 48   |
|              |             | C   |                    | 7.47Y     | 124.6        | 0.01            | 1.44                     | 23.04        | 3        | 171        | 18   | 99      |            |                   |                |           | 0  | 0          | 0            | 29   |
| PL.25695     | PL.38590    | B   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.71                     | 0.88         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.775          | 0.014     | 0  | 0          | 0            | 1    |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PD.1641, PL.25696, 483505, etc.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.7203      | PL.3121     | A   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.65                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.861                               | 0.093 | 0    | 0          | 0            | 2  |
| PL.7244      | PL.7203     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.65                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.007                               | 0.146 | 0    | 0          | 0            | 2  |
| 484505       | PL.7244     | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.65                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.007                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.7199      | PL.7244     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.071                               | 0.064 | 0    | 0          | 0            | 1  |
| PL.3335      | PL.7199     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.148                               | 0.077 | 0    | 0          | 0            | 1  |
| PL.24996     | PL.3335     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.508                               | 0.360 | 0    | 0          | 0            | 1  |
| 485405       | PL.24996    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.508                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.24997     | PL.24996    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.686                               | 0.177 | 0    | 0          | 0            | 0  |
| PL.2492      | PL.7199     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.071                               | 0.000 | 0    | 0          | 0            | 0  |
| 484525       | PL.7203     | A   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.861                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.10984     | PL.11329    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.65                     | 2.79         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 4.738                               | 0.022 | 0    | 0          | 0            | 7  |
| 484504       | PL.10984    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.65                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.738                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.3122      | PL.10984    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.769                               | 0.031 | 0    | 0          | 0            | 1  |
| 484519       | PL.3122     | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.769                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.10985     | PL.10984    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.66                     | 1.85         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 4.867                               | 0.130 | 0    | 0          | 0            | 5  |
| PL.11333     | PL.10985    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.66                     | 1.38         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 4.900                               | 0.033 | 0    | 0          | 0            | 3  |
| PL.11334     | PL.11333    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.66                     | 0.78         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.970                               | 0.070 | 0    | 0          | 0            | 2  |
| PL.38776     | PL.11334    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.66                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.103                               | 0.133 | 0    | 0          | 0            | 0  |
| PD.6715-A    | PL.38776    | A   | Open               | 7.28Y     | 121.3        | 0.00            | 4.66                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.103                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.2498      | PL.11334    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.67                     | 0.78         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.080                               | 0.109 | 0    | 0          | 0            | 2  |
| 484524       | PL.2498     | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.67                     | 0.78         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.080                               | 0.000 | 6    | 1          | 1            | 1  |
| 484537       | PL.2498     | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.67                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.080                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.3123      | PL.11333    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.67                     | 0.60         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 5.016                               | 0.116 | 0    | 0          | 0            | 1  |
| PL.2494      | PL.3123     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.67                     | 0.60         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 5.091                               | 0.075 | 0    | 0          | 0            | 1  |
| 484538       | PL.2494     | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.67                     | 0.60         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 5.091                               | 0.000 | 4    | 0          | 1            | 1  |
| 484536       | PL.10985    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.66                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.867                               | 0.000 | 0    | 0          | 1            | 1  |
| 484506       | PL.10985    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.66                     | 0.47         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.867                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.12129     | PL.12128    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.11            | 4.75                     | 33.99        | 18       | 244        | 41      | 99         | 0.21      | 0.1               | 4.705                               | 0.077 | 0    | 0          | 0            | 26 |
| PL.10982     | PL.12129    | A   | 4ACSR              | 7.27Y     | 121.2        | 0.05            | 4.80                     | 30.67        | 16       | 220        | 39      | 98         | 0.09      | 0.0               | 4.746                               | 0.041 | 0    | 0          | 0            | 24 |
| PL.10983     | PL.10982    | A   | 4ACSR              | 7.27Y     | 121.1        | 0.09            | 4.89                     | 24.73        | 13       | 179        | 19      | 99         | 0.13      | 0.1               | 4.832                               | 0.086 | 0    | 0          | 0            | 23 |
| PL.11390     | PL.10983    | A   | 4ACSR              | 7.26Y     | 121.0        | 0.11            | 5.00                     | 23.53        | 12       | 170        | 18      | 99         | 0.14      | 0.1               | 4.941                               | 0.109 | 0    | 0          | 0            | 22 |
| PL.11391     | PL.11390    | A   | 4ACSR              | 7.24Y     | 120.6        | 0.41            | 5.40                     | 23.53        | 12       | 170        | 18      | 99         | 0.55      | 0.3               | 5.352                               | 0.412 | 0    | 0          | 0            | 21 |
| PL.3126      | PL.11391    | A   | 4ACSR              | 7.24Y     | 120.6        | 0.01            | 5.41                     | 2.03         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 5.445                               | 0.092 | 0    | 0          | 0            | 1  |
| 484414       | PL.3126     | A   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.41                     | 2.03         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 5.445                               | 0.000 | 15   | 2          | 1            | 1  |
| PL.41570     | PL.11391    | A   | 4ACSR              | 7.23Y     | 120.5        | 0.07            | 5.47                     | 21.50        | 11       | 155        | 16      | 99         | 0.08      | 0.1               | 5.429                               | 0.077 | 0    | 0          | 0            | 20 |
| PD.7484-A    | PL.41570    | A   | Closed             | 7.23Y     | 120.5        | 0.00            | 5.47                     | 21.50        | 0        | 155        | 16      | 99         | 0.00      | 0.0               | 5.429                               | 0.000 | 0    | 0          | 0            | 20 |
| PD.7484-B    | PD.7484-A   | A   | Closed             | 7.23Y     | 120.5        | 0.00            | 5.47                     | 21.50        | 0        | 155        | 16      | 99         | 0.00      | 0.0               | 5.429                               | 0.000 | 0    | 0          | 0            | 20 |
| PL.41571     | PD.7484-B   | A   | 4ACSR              | 7.23Y     | 120.5        | 0.07            | 5.54                     | 21.50        | 11       | 155        | 16      | 99         | 0.08      | 0.1               | 5.506                               | 0.077 | 0    | 0          | 0            | 20 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.7198      | PL.41571    | A   | 4ACSR              | 7.22Y     | 120.4        | 0.07            | 5.61   | 20.37        | 11       | 146        | 15   | 99      | 0.08       | 0.1               | 5.584                               | 0.078 | 0    | 0          | 0            | 18        |
| PL.39793     | PL.7198     | A   | 4ACSR              | 7.22Y     | 120.4        | 0.03            | 5.64   | 18.12        | 9        | 130        | 13   | 100     | 0.03       | 0.0               | 5.624                               | 0.040 | 0    | 0          | 0            | 15        |
| PL.39794     | PL.39793    | A   | 4ACSR              | 7.22Y     | 120.3        | 0.04            | 5.68   | 16.69        | 9        | 120        | 13   | 99      | 0.04       | 0.0               | 5.680                               | 0.056 | 0    | 0          | 0            | 14        |
| PL.10714     | PL.39794    | A   | 4ACSR              | 7.22Y     | 120.3        | 0.03            | 5.71   | 11.87        | 6        | 85         | 9    | 99      | 0.02       | 0.0               | 5.736                               | 0.056 | 0    | 0          | 0            | 12        |
| 484401       | PL.10714    | A   | Consumer           | 7.22Y     | 120.3        | 0.00            | 5.71   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.736                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.7197      | PL.10714    | A   | 4ACSR              | 7.22Y     | 120.3        | 0.03            | 5.73   | 11.87        | 6        | 85         | 9    | 99      | 0.02       | 0.0               | 5.787                               | 0.052 | 0    | 0          | 0            | 11        |
| PL.7102      | PL.7197     | A   | 4ACSR              | 7.21Y     | 120.2        | 0.02            | 5.76   | 11.87        | 6        | 85         | 9    | 99      | 0.02       | 0.0               | 5.838                               | 0.050 | 0    | 0          | 0            | 11        |
| 485414       | PL.7102     | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.76   | 1.87         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 5.838                               | 0.000 | 13   | 1          | 1            | 1         |
| PL.11397     | PL.7102     | A   | 4ACSR              | 7.21Y     | 120.2        | 0.02            | 5.78   | 10.00        | 5        | 72         | 7    | 100     | 0.01       | 0.0               | 5.878                               | 0.040 | 0    | 0          | 0            | 10        |
| PL.11398     | PL.11397    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.04            | 5.82   | 8.88         | 5        | 64         | 7    | 99      | 0.02       | 0.0               | 5.997                               | 0.119 | 0    | 0          | 0            | 9         |
| PL.28957     | PL.11398    | A   | 4ACSR              | 7.21Y     | 120.1        | 0.06            | 5.88   | 8.07         | 4        | 58         | 6    | 99      | 0.03       | 0.0               | 6.162                               | 0.165 | 0    | 0          | 0            | 8         |
| PL.28958     | PL.28957    | A   | 4ACSR              | 7.21Y     | 120.1        | 0.00            | 5.88   | 8.07         | 4        | 58         | 6    | 99      | 0.00       | 0.0               | 6.165                               | 0.003 | 0    | 0          | 0            | 8         |
| PL.24995     | PL.28958    | A   | 4ACSR              | 7.20Y     | 120.1        | 0.06            | 5.93   | 6.46         | 3        | 46         | 5    | 99      | 0.02       | 0.0               | 6.368                               | 0.203 | 0    | 0          | 0            | 7         |
| PL.10755     | PL.24995    | A   | 4ACSR              | 7.20Y     | 120.1        | 0.02            | 5.95   | 6.46         | 3        | 46         | 5    | 99      | 0.01       | 0.0               | 6.424                               | 0.056 | 0    | 0          | 0            | 7         |
| PL.10756     | PL.10755    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.01            | 5.96   | 4.17         | 2        | 30         | 3    | 100     | 0.00       | 0.0               | 6.474                               | 0.050 | 0    | 0          | 0            | 5         |
| 485413       | PL.10756    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.96   | 0.04         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.474                               | 0.000 | 0    | 0          | 1            | 1         |
| 485409       | PL.10756    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.96   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.474                               | 0.000 | 0    | 0          | 0            | 0         |
| 485403       | PL.10756    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.96   | 1.07         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 6.474                               | 0.000 | 8    | 1          | 1            | 1         |
| PL.10751     | PL.10756    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.01            | 5.97   | 3.06         | 2        | 22         | 2    | 100     | 0.00       | 0.0               | 6.581                               | 0.107 | 0    | 0          | 0            | 3         |
| PL.10752     | PL.10751    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.97   | 1.48         | 1        | 11         | 1    | 100     | 0.00       | 0.0               | 6.582                               | 0.001 | 0    | 0          | 0            | 1         |
| 485415       | PL.10752    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.97   | 1.48         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 6.582                               | 0.000 | 11   | 1          | 1            | 1         |
| PL.12140     | PL.10752    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.97   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.713                               | 0.131 | 0    | 0          | 0            | 0         |
| PD.463-A     | PL.12140    | A   | Open               | 7.20Y     | 120.0        | 0.00            | 5.97   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.713                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.28324     | PL.10751    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.97   | 1.57         | 1        | 11         | 1    | 100     | 0.00       | 0.0               | 6.591                               | 0.010 | 0    | 0          | 0            | 2         |
| PD.2683      | PL.28324    | A   | fuse6AMP           | 7.20Y     | 120.0        | 0.00            | 5.97   | 1.57         | 27       | 11         | 1    | 100     | 0.00       | 0.0               | 6.591                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.28325     | PD.2683     | A   | 4ACSR              | 7.20Y     | 120.0        | 0.01            | 5.98   | 1.57         | 1        | 11         | 1    | 100     | 0.00       | 0.0               | 6.673                               | 0.081 | 0    | 0          | 0            | 2         |
| PL.10753     | PL.28325    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.98   | 1.39         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 6.743                               | 0.071 | 0    | 0          | 0            | 1         |
| PL.24192     | PL.10753    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.98   | 1.39         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 6.803                               | 0.060 | 0    | 0          | 0            | 1         |
| 485329       | PL.24192    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.98   | 1.39         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 6.803                               | 0.000 | 10   | 1          | 1            | 1         |
| PL.10754     | PL.10753    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.98   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.861                               | 0.117 | 0    | 0          | 0            | 0         |
| 485320       | PL.28325    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.98   | 0.18         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 6.673                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.15598     | PL.10755    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.95   | 2.30         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 6.445                               | 0.021 | 0    | 0          | 0            | 2         |
| PD.1676      | PL.15598    | A   | fuse6AMP           | 7.20Y     | 120.0        | 0.00            | 5.95   | 2.30         | 39       | 16         | 2    | 99      | 0.00       | 0.0               | 6.445                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.15599     | PD.1676     | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.95   | 2.30         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 6.493                               | 0.048 | 0    | 0          | 0            | 2         |
| PL.24183     | PL.15599    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.01            | 5.96   | 2.30         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 6.581                               | 0.088 | 0    | 0          | 0            | 2         |
| 485315       | PL.24183    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.96   | 1.69         | 0        | 12         | 1    | 100     | 0.00       | 0.0               | 6.581                               | 0.000 | 12   | 1          | 1            | 1         |
| 485328       | PL.24183    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.96   | 0.60         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 6.581                               | 0.000 | 4    | 0          | 1            | 1         |
| PL.41485     | PL.28958    | A   | 4ACSR              | 7.21Y     | 120.1        | 0.00            | 5.88   | 1.61         | 1        | 12         | 1    | 100     | 0.00       | 0.0               | 6.175                               | 0.010 | 0    | 0          | 0            | 1         |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PD.7452      | PL.41485    | A   | fuse6AMP           | 7.21Y     | 120.1        | 0.00            | 5.88   | 1.61         | 27       | 12         | 1       | 100        | 0.00      | 0.0               | 6.175                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.41484     | PD.7452     | A   | 4ACSR              | 7.21Y     | 120.1        | 0.00            | 5.88   | 1.61         | 1        | 12         | 1       | 100        | 0.00      | 0.0               | 6.197                               | 0.022 | 0    | 0          | 0            | 1 |
| PL.29206     | PL.41484    | A   | 4ACSR              | 7.21Y     | 120.1        | 0.01            | 5.89   | 1.61         | 1        | 12         | 1       | 100        | 0.00      | 0.0               | 6.310                               | 0.113 | 0    | 0          | 0            | 1 |
| PL.24988     | PL.29206    | A   | 4ACSR              | 7.21Y     | 120.1        | 0.00            | 5.89   | 1.61         | 1        | 12         | 1       | 100        | 0.00      | 0.0               | 6.352                               | 0.042 | 0    | 0          | 0            | 1 |
| 485327       | PL.24988    | A   | Consumer           | 7.21Y     | 120.1        | 0.00            | 5.89   | 1.61         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 6.352                               | 0.000 | 12   | 1          | 1            | 1 |
| PL.41483     | PL.24988    | A   | 4ACSR              | 7.21Y     | 120.1        | 0.00            | 5.89   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.384                               | 0.032 | 0    | 0          | 0            | 0 |
| PD.7451-B    | PL.41483    | A   | Open               | 7.21Y     | 120.1        | 0.00            | 5.89   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.384                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.3351      | PL.11398    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.00            | 5.82   | 0.81         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 6.042                               | 0.045 | 0    | 0          | 0            | 1 |
| 485411       | PL.3351     | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.82   | 0.81         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 6.042                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.3352      | PL.11397    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.00            | 5.78   | 1.12         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 5.981                               | 0.103 | 0    | 0          | 0            | 1 |
| 485412       | PL.3352     | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.78   | 1.12         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 5.981                               | 0.000 | 8    | 1          | 1            | 1 |
| 484415       | PL.39794    | A   | Consumer           | 7.22Y     | 120.3        | 0.00            | 5.68   | 2.36         | 0        | 17         | 2       | 99         | 0.00      | 0.0               | 5.680                               | 0.000 | 17   | 2          | 1            | 1 |
| PL.3124      | PL.39794    | A   | 4ACSR              | 7.22Y     | 120.3        | 0.01            | 5.69   | 2.47         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 5.740                               | 0.060 | 0    | 0          | 0            | 1 |
| PL.3353      | PL.3124     | A   | 4ACSR              | 7.22Y     | 120.3        | 0.00            | 5.69   | 2.47         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 5.760                               | 0.020 | 0    | 0          | 0            | 1 |
| 485410       | PL.3353     | A   | Consumer           | 7.22Y     | 120.3        | 0.00            | 5.69   | 2.47         | 0        | 18         | 2       | 99         | 0.00      | 0.0               | 5.760                               | 0.000 | 18   | 2          | 1            | 1 |
| PL.39795     | PL.39793    | A   | 1/0EPRJCN          | 7.22Y     | 120.4        | 0.00            | 5.64   | 1.43         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 5.629                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.7105      | PL.39795    | A   | fuse6AMP           | 7.22Y     | 120.4        | 0.00            | 5.64   | 1.43         | 24       | 10         | 1       | 100        | 0.00      | 0.0               | 5.629                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.39796     | PD.7105     | A   | 1/0EPRJCN          | 7.22Y     | 120.4        | 0.00            | 5.64   | 1.43         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 5.671                               | 0.042 | 0    | 0          | 0            | 1 |
| 4844018      | PL.39796    | A   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.64   | 1.43         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 5.671                               | 0.000 | 10   | 1          | 1            | 1 |
| 484412       | PL.7198     | A   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.61   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.584                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.7200      | PL.7198     | A   | 4ACSR              | 7.22Y     | 120.4        | 0.00            | 5.61   | 2.25         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 5.617                               | 0.033 | 0    | 0          | 0            | 2 |
| PL.7201      | PL.7200     | A   | 4ACSR              | 7.22Y     | 120.4        | 0.00            | 5.62   | 1.32         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 5.705                               | 0.088 | 0    | 0          | 0            | 1 |
| 484406       | PL.7201     | A   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.62   | 1.32         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 5.705                               | 0.000 | 9    | 1          | 1            | 1 |
| 484403       | PL.7201     | A   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.62   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.705                               | 0.000 | 0    | 0          | 0            | 0 |
| 484411       | PL.7200     | A   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.61   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.617                               | 0.000 | 0    | 0          | 0            | 0 |
| 484416       | PL.7200     | A   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.61   | 0.93         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 5.617                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.3125      | PL.41571    | A   | 4ACSR              | 7.23Y     | 120.5        | 0.00            | 5.55   | 1.12         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 5.609                               | 0.103 | 0    | 0          | 0            | 2 |
| 484410       | PL.3125     | A   | Consumer           | 7.23Y     | 120.5        | 0.00            | 5.55   | 1.12         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 5.609                               | 0.000 | 8    | 1          | 1            | 1 |
| 484413       | PL.3125     | A   | Consumer           | 7.23Y     | 120.5        | 0.00            | 5.55   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.609                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.11417     | PL.11390    | A   | 4ACSR              | 7.26Y     | 121.0        | 0.00            | 5.00   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.952                               | 0.012 | 0    | 0          | 0            | 1 |
| PD.1635      | PL.11417    | A   | fuse6AMP           | 7.26Y     | 121.0        | 0.00            | 5.00   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.952                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.11418     | PD.1635     | A   | 4ACSR              | 7.26Y     | 121.0        | 0.00            | 5.00   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.066                               | 0.114 | 0    | 0          | 0            | 1 |
| 484409       | PL.11418    | A   | Consumer           | 7.26Y     | 121.0        | 0.00            | 5.00   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.066                               | 0.000 | 0    | 0          | 1            | 1 |
| 484405       | PL.10983    | A   | Consumer           | 7.27Y     | 121.1        | 0.00            | 4.89   | 1.20         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.832                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.3116      | PL.10982    | A   | 4ACSR              | 7.27Y     | 121.2        | 0.01            | 4.81   | 6.23         | 3        | 41         | 20      | 90         | 0.00      | 0.0               | 4.794                               | 0.048 | 0    | 0          | 0            | 1 |
| 484564       | PL.3116     | A   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.81   | 6.23         | 0        | 41         | 20      | 90         | 0.00      | 0.0               | 4.794                               | 0.000 | 41   | 20         | 1            | 1 |
| PL.2496      | PL.12129    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.75   | 3.33         | 2        | 24         | 2       | 100        | 0.00      | 0.0               | 4.718                               | 0.013 | 0    | 0          | 0            | 2 |
| PL.2497      | PL.2496     | A   | 4ACSR              | 7.27Y     | 121.2        | 0.02            | 4.77   | 3.33         | 2        | 24         | 2       | 100        | 0.00      | 0.0               | 4.879                               | 0.161 | 0    | 0          | 0            | 2 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 484552       | PL.2497     | A   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.77                     | 2.09         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 4.879                               | 0.000 | 15   | 2          | 1            | 1  |
| 484559       | PL.2497     | A   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.77                     | 1.24         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.879                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.38783     | PL.12128    | A   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.63                     | 3.61         | 2        | 26         | 3       | 99         | 0.00      | 0.0               | 4.638                               | 0.010 | 0    | 0          | 0            | 6  |
| PD.6718      | PL.38783    | A   | fuse6AMP           | 7.28Y     | 121.4        | 0.00            | 4.63                     | 3.61         | 62       | 26         | 3       | 99         | 0.00      | 0.0               | 4.638                               | 0.000 | 0    | 0          | 0            | 6  |
| PL.38782     | PD.6718     | A   | 4ACSR              | 7.28Y     | 121.4        | 0.01            | 4.64                     | 3.61         | 2        | 26         | 3       | 99         | 0.00      | 0.0               | 4.676                               | 0.037 | 0    | 0          | 0            | 6  |
| PD.3662-A    | PL.38782    | A   | Closed             | 7.28Y     | 121.4        | 0.00            | 4.64                     | 3.61         | 0        | 26         | 3       | 99         | 0.00      | 0.0               | 4.676                               | 0.000 | 0    | 0          | 0            | 6  |
| PD.3662-B    | PD.3662-A   | A   | Closed             | 7.28Y     | 121.4        | 0.00            | 4.64                     | 3.61         | 0        | 26         | 3       | 99         | 0.00      | 0.0               | 4.676                               | 0.000 | 0    | 0          | 0            | 6  |
| PL.20636     | PD.3662-B   | A   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.64                     | 3.61         | 2        | 26         | 3       | 99         | 0.00      | 0.0               | 4.694                               | 0.018 | 0    | 0          | 0            | 6  |
| PL.20635     | PL.20636    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.65                     | 2.35         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 4.800                               | 0.107 | 0    | 0          | 0            | 4  |
| PL.11327     | PL.20635    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.65                     | 1.75         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 4.831                               | 0.030 | 0    | 0          | 0            | 3  |
| PL.2495      | PL.11327    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.66                     | 1.75         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 4.930                               | 0.099 | 0    | 0          | 0            | 3  |
| PL.7245      | PL.2495     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.02            | 4.68                     | 1.75         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 5.136                               | 0.206 | 0    | 0          | 0            | 3  |
| PL.7246      | PL.7245     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.68                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.364                               | 0.228 | 0    | 0          | 0            | 2  |
| PL.3129      | PL.7246     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.562                               | 0.198 | 0    | 0          | 0            | 1  |
| 484407       | PL.3129     | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.562                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.3130      | PL.7246     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.68                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.641                               | 0.278 | 0    | 0          | 0            | 1  |
| 484402       | PL.3130     | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.68                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.641                               | 0.000 | 0    | 0          | 1            | 1  |
| 484417       | PL.7245     | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.68                     | 1.75         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 5.136                               | 0.000 | 13   | 1          | 1            | 1  |
| PL.3114      | PL.20635    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.65                     | 0.59         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 4.850                               | 0.050 | 0    | 0          | 0            | 1  |
| 484555       | PL.3114     | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.65                     | 0.59         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 4.850                               | 0.000 | 4    | 0          | 1            | 1  |
| 484516       | PL.20636    | A   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.64                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.694                               | 0.000 | 0    | 0          | 0            | 0  |
| 484502       | PL.20636    | A   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.64                     | 0.36         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.694                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.37631     | PL.20636    | A   | 2ACSR              | 7.28Y     | 121.4        | 0.00            | 4.64                     | 0.91         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.707                               | 0.013 | 0    | 0          | 0            | 1  |
| 4845069      | PL.37631    | A   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.64                     | 0.91         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.707                               | 0.000 | 7    | 1          | 1            | 1  |
| 484554       | PL.20638    | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.25                     | 2.35         | 0        | 17         | 2       | 99         | 0.00      | 0.0               | 4.419                               | 0.000 | 17   | 2          | 1            | 1  |
| 484562       | PL.38779    | A   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.15                     | 1.94         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 4.367                               | 0.000 | 14   | 1          | 1            | 1  |
| PL.38720     | PL.38598    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.01            | 1.70                     | 18.48        | 7        | 137        | 15      | 99         | 0.01      | 0.0               | 4.290                               | 0.021 | 0    | 0          | 0            | 39 |
| PL.38721     | PL.38720    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.01            | 1.71                     | 18.48        | 7        | 137        | 15      | 99         | 0.01      | 0.0               | 4.301                               | 0.010 | 0    | 0          | 0            | 39 |
| PD.6714      | PL.38721    | B   | 35E                | 7.46Y     | 124.3        | 0.00            | 1.71                     | 18.48        | 53       | 137        | 15      | 99         | 0.00      | 0.0               | 4.301                               | 0.000 | 0    | 0          | 0            | 39 |
| PL.38773     | PD.6714     | B   | 2ACSR              | 7.45Y     | 124.2        | 0.12            | 1.82                     | 18.48        | 7        | 137        | 15      | 99         | 0.12      | 0.1               | 4.521                               | 0.221 | 0    | 0          | 0            | 39 |
| PL.38777     | PL.38773    | B   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.82                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.528                               | 0.007 | 0    | 0          | 0            | 0  |
| PD.6715-B    | PL.38777    | B   | Open               | 7.45Y     | 124.2        | 0.00            | 1.82                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.528                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.38775     | PL.38773    | B   | 4ACSR              | 7.45Y     | 124.2        | 0.02            | 1.85                     | 18.48        | 10       | 137        | 15      | 99         | 0.02      | 0.0               | 4.552                               | 0.030 | 0    | 0          | 0            | 39 |
| 484507       | PL.38775    | B   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.85                     | 0.64         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 4.552                               | 0.000 | 5    | 0          | 1            | 1  |
| PL.45751     | PL.38775    | B   | 4ACSR              | 7.44Y     | 124.1        | 0.10            | 1.95                     | 17.84        | 9        | 132        | 15      | 99         | 0.10      | 0.1               | 4.683                               | 0.131 | 0    | 0          | 0            | 38 |
| 4845071      | PL.45751    | B   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.95                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.683                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.45752     | PL.45751    | B   | 4ACSR              | 7.44Y     | 124.0        | 0.04            | 1.99                     | 17.84        | 9        | 132        | 14      | 99         | 0.04      | 0.0               | 4.741                               | 0.058 | 0    | 0          | 0            | 38 |
| PL.26972     | PL.45752    | B   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.763                               | 0.022 | 0    | 0          | 0            | 1  |



Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |    |
| 484607       | PL.11787    | B   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.06                     | 0.01         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 6.230          | 0.000      | 0            | 0  | 1    | 1  |
| 484605       | PL.11787    | B   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.06                     | 0.15         | 0        | 1          | 0         | 100        | 0.00              | 0.0               | 6.230          | 0.000      | 1            | 0  | 1    | 1  |
| PL.11899     | PL.11787    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.05            | 3.11                     | 15.17        | 8        | 111        | 12        | 99         | 0.04              | 0.0               | 6.301          | 0.071      | 0            | 0  | 0    | 26 |
| PL.11900     | PL.11899    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.02            | 3.12                     | 14.19        | 7        | 104        | 11        | 99         | 0.01              | 0.0               | 6.327          | 0.027      | 0            | 0  | 0    | 24 |
| PL.11901     | PL.11900    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.02            | 3.14                     | 14.19        | 7        | 104        | 11        | 99         | 0.02              | 0.0               | 6.366          | 0.039      | 0            | 0  | 0    | 24 |
| PL.11895     | PL.11901    | B   | 4ACSR              | 7.36Y     | 122.7        | 0.14            | 3.29                     | 12.61        | 6        | 92         | 10        | 99         | 0.10              | 0.1               | 6.632          | 0.265      | 0            | 0  | 0    | 21 |
| PL.26132     | PL.11895    | B   | 4ACSR              | 7.34Y     | 122.4        | 0.36            | 3.64                     | 12.16        | 6        | 89         | 9         | 99         | 0.25              | 0.3               | 7.329          | 0.698      | 0            | 0  | 0    | 19 |
| PL.26133     | PL.26132    | B   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.64                     | 12.16        | 6        | 89         | 9         | 99         | 0.00              | 0.0               | 7.334          | 0.005      | 0            | 0  | 0    | 19 |
| PL.30838     | PL.26133    | B   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.65                     | 8.93         | 5        | 65         | 7         | 99         | 0.00              | 0.0               | 7.339          | 0.005      | 0            | 0  | 0    | 9  |
| PD.452-A     | PL.30838    | B   | Closed             | 7.34Y     | 122.4        | 0.00            | 3.65                     | 8.93         | 0        | 65         | 7         | 99         | 0.00              | 0.0               | 7.339          | 0.000      | 0            | 0  | 0    | 9  |
| PD.452-B     | PD.452-A    | B   | Closed             | 7.34Y     | 122.4        | 0.00            | 3.65                     | 8.93         | 0        | 65         | 7         | 99         | 0.00              | 0.0               | 7.339          | 0.000      | 0            | 0  | 0    | 9  |
| PL.44238     | PD.452-B    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.04            | 3.69                     | 8.93         | 5        | 65         | 7         | 99         | 0.02              | 0.0               | 7.459          | 0.119      | 0            | 0  | 0    | 9  |
| PD.8390-A    | PL.44238    | B   | Closed             | 7.34Y     | 122.3        | 0.00            | 3.69                     | 8.93         | 0        | 65         | 7         | 99         | 0.00              | 0.0               | 7.459          | 0.000      | 0            | 0  | 0    | 9  |
| PD.8390-B    | PD.8390-A   | B   | Closed             | 7.34Y     | 122.3        | 0.00            | 3.69                     | 8.93         | 0        | 65         | 7         | 99         | 0.00              | 0.0               | 7.459          | 0.000      | 0            | 0  | 0    | 9  |
| PL.44237     | PD.8390-B   | B   | 4ACSR              | 7.33Y     | 122.2        | 0.07            | 3.77                     | 8.93         | 5        | 65         | 7         | 99         | 0.04              | 0.1               | 7.656          | 0.198      | 0            | 0  | 0    | 9  |
| PL.20491     | PL.44237    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.77                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 7.695          | 0.039      | 0            | 0  | 0    | 0  |
| PD.2747-B    | PL.20491    | B   | Open               | 7.33Y     | 122.2        | 0.00            | 3.77                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 7.695          | 0.000      | 0            | 0  | 0    | 0  |
| PL.28668     | PL.44237    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.77                     | 1.38         | 1        | 10         | 1         | 100        | 0.00              | 0.0               | 7.741          | 0.085      | 0            | 0  | 0    | 1  |
| 485724       | PL.28668    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.77                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 7.741          | 0.000      | 0            | 0  | 0    | 0  |
| 485708       | PL.28668    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.77                     | 1.38         | 0        | 10         | 1         | 100        | 0.00              | 0.0               | 7.741          | 0.000      | 10           | 1  | 1    | 1  |
| PL.28669     | PL.44237    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.03            | 3.79                     | 5.86         | 3        | 43         | 4         | 100        | 0.01              | 0.0               | 7.765          | 0.109      | 0            | 0  | 0    | 7  |
| PL.20496     | PL.28669    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.01            | 3.81                     | 5.86         | 3        | 43         | 4         | 100        | 0.00              | 0.0               | 7.818          | 0.052      | 0            | 0  | 0    | 7  |
| PL.22979     | PL.20496    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.81                     | 3.94         | 2        | 29         | 3         | 99         | 0.00              | 0.0               | 7.842          | 0.024      | 0            | 0  | 0    | 4  |
| PL.19826     | PL.22979    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.94         | 0        | 7          | 1         | 99         | 0.00              | 0.0               | 7.871          | 0.029      | 0            | 0  | 0    | 2  |
| 485706       | PL.19826    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.19         | 0        | 1          | 0         | 100        | 0.00              | 0.0               | 7.871          | 0.000      | 1            | 0  | 1    | 1  |
| PL.19827     | PL.19826    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.75         | 0        | 5          | 1         | 98         | 0.00              | 0.0               | 7.944          | 0.073      | 0            | 0  | 0    | 1  |
| 485734       | PL.19827    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.75         | 0        | 5          | 1         | 98         | 0.00              | 0.0               | 7.944          | 0.000      | 5            | 1  | 1    | 1  |
| 485735       | PL.22979    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.81                     | 1.52         | 0        | 11         | 1         | 100        | 0.00              | 0.0               | 7.842          | 0.000      | 11           | 1  | 1    | 1  |
| 485736       | PL.22979    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.81                     | 1.47         | 0        | 11         | 1         | 100        | 0.00              | 0.0               | 7.842          | 0.000      | 11           | 1  | 1    | 1  |
| PL.19821     | PL.20496    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.81                     | 1.92         | 1        | 14         | 1         | 100        | 0.00              | 0.0               | 7.845          | 0.027      | 0            | 0  | 0    | 3  |
| PL.19822     | PL.19821    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.02            | 3.83                     | 1.92         | 1        | 14         | 1         | 100        | 0.00              | 0.0               | 8.081          | 0.237      | 0            | 0  | 0    | 3  |
| PL.19823     | PL.19822    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.83                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 8.106          | 0.025      | 0            | 0  | 0    | 0  |
| PL.21953     | PL.19823    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.83                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 8.312          | 0.206      | 0            | 0  | 0    | 0  |
| PL.28608     | PL.19822    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.01            | 3.83                     | 1.92         | 1        | 14         | 1         | 100        | 0.00              | 0.0               | 8.162          | 0.081      | 0            | 0  | 0    | 3  |
| PL.19825     | PL.28608    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.84                     | 1.92         | 1        | 14         | 1         | 100        | 0.00              | 0.0               | 8.185          | 0.023      | 0            | 0  | 0    | 3  |
| PL.21952     | PL.19825    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.84                     | 1.92         | 1        | 14         | 1         | 100        | 0.00              | 0.0               | 8.236          | 0.052      | 0            | 0  | 0    | 3  |
| 485805       | PL.21952    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.84                     | 1.18         | 0        | 9          | 1         | 99         | 0.00              | 0.0               | 8.236          | 0.000      | 9            | 1  | 1    | 1  |
| 485807       | PL.21952    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.84                     | 0.05         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 8.236          | 0.000      | 0            | 0  | 1    | 1  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |    |
| 485806       | PL.21952    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.84                     | 0.69         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 8.236             | 0.000 | 5          | 1            | 1    | 1  |
| PL.19824     | PL.19825    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.84                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.253             | 0.069 | 0          | 0            | 0    | 0  |
| PL.28609     | PL.44237    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.77                     | 1.69         | 1        | 12         | 1         | 100        | 0.00      | 0.0               | 7.709             | 0.053 | 0          | 0            | 0    | 1  |
| 485731       | PL.28609    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.77                     | 1.69         | 0        | 12         | 1         | 100        | 0.00      | 0.0               | 7.709             | 0.000 | 12         | 1            | 1    | 1  |
| PL.26131     | PL.26133    | B   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.65                     | 3.23         | 2        | 24         | 2         | 100        | 0.00      | 0.0               | 7.341             | 0.007 | 0          | 0            | 0    | 10 |
| PD.8391-A    | PL.26131    | B   | Closed             | 7.34Y     | 122.4        | 0.00            | 3.65                     | 3.23         | 0        | 24         | 2         | 100        | 0.00      | 0.0               | 7.341             | 0.000 | 0          | 0            | 0    | 10 |
| PD.8391-B    | PD.8391-A   | B   | Closed             | 7.34Y     | 122.4        | 0.00            | 3.65                     | 3.23         | 0        | 24         | 2         | 100        | 0.00      | 0.0               | 7.341             | 0.000 | 0          | 0            | 0    | 10 |
| PL.19504     | PD.8391-B   | B   | 4ACSR              | 7.34Y     | 122.3        | 0.02            | 3.67                     | 3.23         | 2        | 24         | 2         | 100        | 0.00      | 0.0               | 7.509             | 0.168 | 0          | 0            | 0    | 10 |
| PL.19505     | PL.19504    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.68                     | 3.23         | 2        | 24         | 2         | 100        | 0.00      | 0.0               | 7.571             | 0.062 | 0          | 0            | 0    | 10 |
| PL.3118      | PL.19505    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.64         | 0        | 5          | 0         | 100        | 0.00      | 0.0               | 7.602             | 0.031 | 0          | 0            | 0    | 1  |
| 485705       | PL.3118     | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.64         | 0        | 5          | 0         | 100        | 0.00      | 0.0               | 7.602             | 0.000 | 5          | 0            | 1    | 1  |
| PL.12286     | PL.19505    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.02            | 3.69                     | 2.59         | 1        | 19         | 2         | 99         | 0.00      | 0.0               | 7.729             | 0.158 | 0          | 0            | 0    | 9  |
| PL.12287     | PL.12286    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.70                     | 2.12         | 1        | 15         | 2         | 99         | 0.00      | 0.0               | 7.805             | 0.076 | 0          | 0            | 0    | 8  |
| PL.19302     | PL.12287    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.70                     | 0.67         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 7.909             | 0.104 | 0          | 0            | 0    | 4  |
| PL.19303     | PL.19302    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.67         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 7.973             | 0.065 | 0          | 0            | 0    | 4  |
| PL.12292     | PL.19303    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.67         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 8.088             | 0.114 | 0          | 0            | 0    | 4  |
| PL.3181      | PL.12292    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.38         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 8.161             | 0.073 | 0          | 0            | 0    | 1  |
| 484704       | PL.3181     | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.38         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 8.161             | 0.000 | 3          | 0            | 1    | 1  |
| PL.12293     | PL.12292    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.28         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 8.101             | 0.013 | 0          | 0            | 0    | 3  |
| PD.1738      | PL.12293    | B   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.28         | 5        | 2          | 0         | 100        | 0.00      | 0.0               | 8.101             | 0.000 | 0          | 0            | 0    | 3  |
| PL.12294     | PD.1738     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.28         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 8.255             | 0.154 | 0          | 0            | 0    | 3  |
| PL.39654     | PL.12294    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.03         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.353             | 0.098 | 0          | 0            | 0    | 2  |
| PL.39655     | PL.39654    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.03         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.578             | 0.225 | 0          | 0            | 0    | 1  |
| 484708       | PL.39655    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.03         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.578             | 0.000 | 0          | 0            | 1    | 1  |
| PL.7110      | PL.39655    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.650             | 0.072 | 0          | 0            | 0    | 0  |
| PL.173       | PL.7110     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.664             | 0.014 | 0          | 0            | 0    | 0  |
| PL.39656     | PL.39654    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.481             | 0.128 | 0          | 0            | 0    | 1  |
| 484705       | PL.39656    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.481             | 0.000 | 0          | 0            | 1    | 1  |
| PL.39657     | PL.39656    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.650             | 0.169 | 0          | 0            | 0    | 0  |
| 484706       | PL.39657    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.650             | 0.000 | 0          | 0            | 0    | 0  |
| PL.3182      | PL.12294    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.25         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 8.355             | 0.100 | 0          | 0            | 0    | 1  |
| 484701       | PL.3182     | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.25         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 8.355             | 0.000 | 2          | 0            | 1    | 1  |
| PL.12288     | PL.12287    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.70                     | 1.46         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 7.813             | 0.008 | 0          | 0            | 0    | 4  |
| PD.1644      | PL.12288    | B   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.70                     | 1.46         | 25       | 11         | 1         | 100        | 0.00      | 0.0               | 7.813             | 0.000 | 0          | 0            | 0    | 4  |
| PL.12289     | PD.1644     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.71                     | 1.46         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 7.971             | 0.158 | 0          | 0            | 0    | 4  |
| PL.12290     | PL.12289    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 1.45         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 7.978             | 0.008 | 0          | 0            | 0    | 3  |
| PL.12291     | PL.12290    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.89         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 8.027             | 0.048 | 0          | 0            | 0    | 2  |
| PL.39659     | PL.12291    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.89         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 8.053             | 0.026 | 0          | 0            | 0    | 2  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |   |
| PL.39660     | PL.39659    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.18         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 8.089             | 0.036 | 0          | 0            | 0    | 1 |
| PL.24148     | PL.39660    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.72                     | 0.18         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 8.140             | 0.051 | 0          | 0            | 0    | 1 |
| PL.3179      | PL.24148    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.72                     | 0.18         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 8.210             | 0.070 | 0          | 0            | 0    | 1 |
| 484707       | PL.3179     | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.72                     | 0.18         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 8.210             | 0.000 | 1          | 0            | 1    | 1 |
| PL.39658     | PL.39659    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.02            | 3.73                     | 0.71         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 8.669             | 0.616 | 0          | 0            | 0    | 1 |
| 4847010      | PL.39658    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.73                     | 0.71         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 8.669             | 0.000 | 5          | 1            | 1    | 1 |
| 485703       | PL.12290    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.56         | 0        | 4          | 0         | 100        | 0.00      | 0.0               | 7.978             | 0.000 | 4          | 0            | 1    | 1 |
| PL.24149     | PL.12289    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.029             | 0.058 | 0          | 0            | 0    | 1 |
| PL.24150     | PL.24149    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.072             | 0.043 | 0          | 0            | 0    | 1 |
| PL.3180      | PL.24150    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.127             | 0.055 | 0          | 0            | 0    | 1 |
| 484709       | PL.3180     | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.127             | 0.000 | 0          | 0            | 1    | 1 |
| PL.26905     | PL.12286    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.69                     | 0.46         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 7.741             | 0.012 | 0          | 0            | 0    | 1 |
| PD.1645      | PL.26905    | B   | fuse8AMP           | 7.34Y     | 122.3        | 0.00            | 3.69                     | 0.46         | 6        | 3          | 0         | 100        | 0.00      | 0.0               | 7.741             | 0.000 | 0          | 0            | 0    | 1 |
| PL.26906     | PD.1645     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.70                     | 0.46         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 7.840             | 0.100 | 0          | 0            | 0    | 1 |
| 485715       | PL.26906    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.70                     | 0.46         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 7.840             | 0.000 | 3          | 0            | 1    | 1 |
| PL.6639      | PL.26906    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.70                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.851             | 0.011 | 0          | 0            | 0    | 0 |
| PL.24152     | PL.11895    | B   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.29                     | 0.45         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 6.705             | 0.073 | 0          | 0            | 0    | 2 |
| 485605       | PL.24152    | B   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.29                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.705             | 0.000 | 0          | 0            | 1    | 1 |
| 485606       | PL.24152    | B   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.29                     | 0.45         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 6.705             | 0.000 | 3          | 0            | 1    | 1 |
| PL.45183     | PL.11901    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.15                     | 1.58         | 1        | 12         | 1         | 100        | 0.00      | 0.0               | 6.389             | 0.023 | 0          | 0            | 0    | 3 |
| PD.8606      | PL.45183    | B   | fuse6AMP           | 7.37Y     | 122.9        | 0.00            | 3.15                     | 1.58         | 27       | 12         | 1         | 100        | 0.00      | 0.0               | 6.389             | 0.000 | 0          | 0            | 0    | 3 |
| PL.45184     | PD.8606     | B   | 4ACSR              | 7.37Y     | 122.8        | 0.01            | 3.16                     | 1.58         | 1        | 12         | 1         | 100        | 0.00      | 0.0               | 6.589             | 0.200 | 0          | 0            | 0    | 3 |
| 485602       | PL.45184    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.16                     | 1.13         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 6.589             | 0.000 | 8          | 1            | 1    | 1 |
| PL.6638      | PL.45184    | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.16                     | 0.45         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 6.673             | 0.084 | 0          | 0            | 0    | 2 |
| 485607       | PL.6638     | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.16                     | 0.45         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 6.673             | 0.000 | 3          | 0            | 1    | 1 |
| PL.11904     | PL.6638     | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.16                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.812             | 0.139 | 0          | 0            | 0    | 1 |
| PL.11905     | PL.11904    | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.16                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.812             | 0.000 | 0          | 0            | 0    | 0 |
| 485604       | PL.11904    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.16                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.812             | 0.000 | 0          | 0            | 1    | 1 |
| PL.11902     | PL.11900    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.332             | 0.004 | 0          | 0            | 0    | 0 |
| PD.1737      | PL.11902    | B   | fuse6AMP           | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.332             | 0.000 | 0          | 0            | 0    | 0 |
| PL.11903     | PD.1737     | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.348             | 0.017 | 0          | 0            | 0    | 0 |
| PL.24153     | PL.11903    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.367             | 0.019 | 0          | 0            | 0    | 0 |
| PL.3183      | PL.11899    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.98         | 1        | 7          | 1         | 99         | 0.00      | 0.0               | 6.361             | 0.060 | 0          | 0            | 0    | 2 |
| PL.3184      | PL.3183     | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.393             | 0.032 | 0          | 0            | 0    | 1 |
| 484613       | PL.3184     | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.393             | 0.000 | 0          | 0            | 1    | 1 |
| 484606       | PL.3183     | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.98         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 6.361             | 0.000 | 7          | 1            | 1    | 1 |
| PL.7108      | PL.20221    | B   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.92                     | 1.01         | 1        | 7          | 1         | 99         | 0.00      | 0.0               | 6.107             | 0.099 | 0          | 0            | 0    | 2 |
| 484604       | PL.7108     | B   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.92                     | 0.99         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 6.107             | 0.000 | 7          | 1            | 1    | 1 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PL.7109      | PL.7108     | B   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.92                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.212             | 0.105          | 0          | 0            | 0  | 1    |
| 484616       | PL.7109     | B   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.92                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.212             | 0.000          | 0          | 0            | 1  | 1    |
| PL.24155     | PL.11820    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.45                     | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.588             | 0.230          | 0          | 0            | 0  | 1    |
| 485603       | PL.24155    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.45                     | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.588             | 0.000          | 0          | 0            | 1  | 1    |
| PL.24154     | PL.24155    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.45                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.756             | 0.168          | 0          | 0            | 0  | 0    |
| PL.3334      | PL.24154    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.45                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.960             | 0.205          | 0          | 0            | 0  | 0    |
| PL.3119      | PL.11330    | B   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.08                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.176             | 0.310          | 0          | 0            | 0  | 0    |
| 484558       | PL.38726    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 1.35         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 4.160             | 0.000          | 10         | 1            | 1  | 1    |
| 484556       | PL.38726    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 2.77         | 0        | 21         | 2    | 100     | 0.00       | 0.0               | 4.160             | 0.000          | 21         | 2            | 1  | 1    |
| 484557       | PL.38726    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 0.87         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.160             | 0.000          | 6          | 1            | 1  | 1    |
| PL.11415     | PL.11335    | C   | 2ACSR              | 7.47Y     | 124.5        | 0.00            | 1.49                     | 21.80        | 9        | 162        | 17   | 99      | 0.00       | 0.0               | 4.069             | 0.004          | 0          | 0            | 0  | 28   |
| C PD.3552    | PL.11415    | C   | 25E                | 7.47Y     | 124.5        | 0.00            | 1.49                     | 21.80        | 87       | 162        | 17   | 99      | 0.00       | 0.0               | 4.069             | 0.000          | 0          | 0            | 0  | 28 C |
| PL.11416     | PD.3552     | C   | 2ACSR              | 7.47Y     | 124.5        | 0.05            | 1.54                     | 21.80        | 9        | 162        | 17   | 99      | 0.06       | 0.0               | 4.153             | 0.084          | 0          | 0            | 0  | 28   |
| PL.38722     | PL.11416    | C   | 2ACSR              | 7.47Y     | 124.4        | 0.03            | 1.57                     | 20.65        | 8        | 153        | 16   | 99      | 0.04       | 0.0               | 4.207             | 0.054          | 0          | 0            | 0  | 27   |
| PL.11413     | PL.38722    | C   | 2ACSR              | 7.46Y     | 124.4        | 0.02            | 1.59                     | 18.05        | 7        | 134        | 14   | 99      | 0.02       | 0.0               | 4.237             | 0.030          | 0          | 0            | 0  | 24   |
| PL.11414     | PL.11413    | C   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.59                     | 3.34         | 1        | 25         | 3    | 99      | 0.00       | 0.0               | 4.287             | 0.049          | 0          | 0            | 0  | 3    |
| PL.10715     | PL.11414    | C   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.60                     | 2.25         | 1        | 17         | 2    | 99      | 0.00       | 0.0               | 4.327             | 0.040          | 0          | 0            | 0  | 2    |
| PL.2501      | PL.10715    | C   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.60                     | 1.10         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.368             | 0.041          | 0          | 0            | 0  | 1    |
| 484534       | PL.2501     | C   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.60                     | 1.10         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.368             | 0.000          | 8          | 1            | 1  | 1    |
| PL.10716     | PL.10715    | C   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.60                     | 1.14         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.372             | 0.045          | 0          | 0            | 0  | 1    |
| 484535       | PL.10716    | C   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.60                     | 1.14         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.372             | 0.000          | 8          | 1            | 1  | 1    |
| PL.2500      | PL.11414    | C   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.59                     | 1.10         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.324             | 0.037          | 0          | 0            | 0  | 1    |
| 484547       | PL.2500     | C   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.59                     | 1.10         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.324             | 0.000          | 8          | 1            | 1  | 1    |
| PL.11393     | PL.11413    | C   | 2ACSR              | 7.46Y     | 124.3        | 0.07            | 1.65                     | 14.68        | 6        | 109        | 11   | 99      | 0.05       | 0.0               | 4.393             | 0.156          | 0          | 0            | 0  | 20   |
| PL.11394     | PL.11393    | C   | 2ACSR              | 7.46Y     | 124.3        | 0.04            | 1.70                     | 14.68        | 6        | 109        | 11   | 99      | 0.03       | 0.0               | 4.495             | 0.101          | 0          | 0            | 0  | 20   |
| PL.3127      | PL.11394    | C   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.70                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.652             | 0.158          | 0          | 0            | 0  | 1    |
| 484510       | PL.3127     | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.652             | 0.000          | 0          | 0            | 1  | 1    |
| PL.37619     | PL.11394    | C   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.70                     | 1.45         | 1        | 11         | 1    | 100     | 0.00       | 0.0               | 4.582             | 0.087          | 0          | 0            | 0  | 2    |
| 484540       | PL.37619    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.582             | 0.000          | 0          | 0            | 1  | 1    |
| 484514       | PL.37619    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 1.45         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 4.582             | 0.000          | 11         | 1            | 1  | 1    |
| PL.11395     | PL.11394    | C   | 2ACSR              | 7.46Y     | 124.3        | 0.04            | 1.74                     | 13.22        | 5        | 98         | 10   | 99      | 0.03       | 0.0               | 4.601             | 0.107          | 0          | 0            | 0  | 17   |
| PL.3128      | PL.11395    | C   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.74                     | 1.50         | 1        | 11         | 1    | 100     | 0.00       | 0.0               | 4.689             | 0.088          | 0          | 0            | 0  | 1    |
| 484528       | PL.3128     | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.74                     | 1.50         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 4.689             | 0.000          | 11         | 1            | 1  | 1    |
| PL.11396     | PL.11395    | C   | 2ACSR              | 7.45Y     | 124.2        | 0.02            | 1.75                     | 11.72        | 5        | 87         | 9    | 99      | 0.01       | 0.0               | 4.647             | 0.045          | 0          | 0            | 0  | 16   |
| PL.19502     | PL.11396    | C   | 2ACSR              | 7.45Y     | 124.2        | 0.04            | 1.79                     | 10.86        | 4        | 81         | 8    | 100     | 0.02       | 0.0               | 4.770             | 0.123          | 0          | 0            | 0  | 15   |
| 484511       | PL.19502    | C   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.79                     | 0.92         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.770             | 0.000          | 7          | 1            | 1  | 1    |
| PL.19503     | PL.19502    | C   | 2ACSR              | 7.45Y     | 124.2        | 0.02            | 1.82                     | 9.94         | 4        | 74         | 8    | 99      | 0.01       | 0.0               | 4.856             | 0.086          | 0          | 0            | 0  | 14   |
| 484522       | PL.19503    | C   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.82                     | 1.16         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.856             | 0.000          | 9          | 1            | 1  | 1    |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| PL.10717     | PL.19503    | C   | 2ACSR              | 7.45Y     | 124.1        | 0.04            | 1.85   | 8.78         | 3        | 65         | 7       | 99         | 0.02      | 0.0               | 5.002                               | 0.147 | 0    | 0          | 0            | 13  |
| PL.12205     | PL.10717    | C   | 2ACSR              | 7.45Y     | 124.1        | 0.00            | 1.86   | 6.66         | 3        | 49         | 5       | 99         | 0.00      | 0.0               | 5.012                               | 0.009 | 0    | 0          | 0            | 9   |
| C PD.1636    | PL.12205    | C   | fuse6AMP           | 7.45Y     | 124.1        | 0.00            | 1.86   | 6.66         | 114      | 49         | 5       | 99         | 0.00      | 0.0               | 5.012                               | 0.000 | 0    | 0          | 0            | 9 C |
| PL.12206     | PD.1636     | C   | 2ACSR              | 7.45Y     | 124.1        | 0.02            | 1.87   | 6.66         | 3        | 49         | 5       | 99         | 0.01      | 0.0               | 5.095                               | 0.083 | 0    | 0          | 0            | 9   |
| PL.6628      | PL.12206    | C   | 2ACSR              | 7.45Y     | 124.1        | 0.01            | 1.88   | 6.66         | 3        | 49         | 5       | 99         | 0.00      | 0.0               | 5.127                               | 0.033 | 0    | 0          | 0            | 9   |
| 484531       | PL.6628     | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88   | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.127                               | 0.000 | 0    | 0          | 1            | 1   |
| 484545       | PL.6628     | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88   | 0.18         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.127                               | 0.000 | 1    | 0          | 1            | 1   |
| PL.10718     | PL.6628     | C   | 2ACSR              | 7.45Y     | 124.1        | 0.01            | 1.89   | 6.48         | 3        | 48         | 5       | 99         | 0.00      | 0.0               | 5.169                               | 0.042 | 0    | 0          | 0            | 7   |
| PL.38723     | PL.10718    | C   | 2ACSR              | 7.45Y     | 124.1        | 0.00            | 1.89   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.204                               | 0.035 | 0    | 0          | 0            | 0   |
| PD.451-B     | PL.38723    | C   | Open               | 7.45Y     | 124.1        | 0.00            | 1.89   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.204                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.10720     | PL.10718    | C   | 2ACSR              | 7.45Y     | 124.1        | 0.01            | 1.89   | 6.48         | 3        | 48         | 5       | 99         | 0.00      | 0.0               | 5.210                               | 0.041 | 0    | 0          | 0            | 7   |
| PL.34966     | PL.10720    | C   | 2ACSR              | 7.45Y     | 124.1        | 0.00            | 1.89   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.271                               | 0.061 | 0    | 0          | 0            | 0   |
| 4845068      | PL.34966    | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.271                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.10721     | PL.10720    | C   | 2ACSR              | 7.45Y     | 124.1        | 0.00            | 1.90   | 3.65         | 1        | 27         | 3       | 99         | 0.00      | 0.0               | 5.243                               | 0.033 | 0    | 0          | 0            | 5   |
| PL.6629      | PL.10721    | C   | 2ACSR              | 7.45Y     | 124.1        | 0.01            | 1.90   | 2.35         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 5.330                               | 0.087 | 0    | 0          | 0            | 3   |
| PL.24143     | PL.6629     | C   | 2ACSR              | 7.45Y     | 124.1        | 0.01            | 1.91   | 1.27         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 5.487                               | 0.157 | 0    | 0          | 0            | 2   |
| 484549       | PL.24143    | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.91   | 1.14         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 5.487                               | 0.000 | 8    | 1          | 1            | 1   |
| 484565       | PL.24143    | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.91   | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.487                               | 0.000 | 1    | 0          | 1            | 1   |
| 4845070      | PL.24143    | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.91   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.487                               | 0.000 | 0    | 0          | 0            | 0   |
| 484548       | PL.6629     | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90   | 1.09         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 5.330                               | 0.000 | 8    | 1          | 1            | 1   |
| 484517       | PL.10721    | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90   | 0.58         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 5.243                               | 0.000 | 4    | 0          | 1            | 1   |
| 484530       | PL.10721    | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90   | 0.72         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.243                               | 0.000 | 5    | 1          | 1            | 1   |
| PL.3115      | PL.10720    | C   | 2ACSR              | 7.45Y     | 124.1        | 0.01            | 1.90   | 2.83         | 1        | 21         | 2       | 100        | 0.00      | 0.0               | 5.301                               | 0.090 | 0    | 0          | 0            | 2   |
| 4845067      | PL.3115     | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90   | 1.68         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 5.301                               | 0.000 | 12   | 1          | 1            | 1   |
| 484563       | PL.3115     | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90   | 1.15         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 5.301                               | 0.000 | 9    | 1          | 1            | 1   |
| 484515       | PL.10717    | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.85   | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.002                               | 0.000 | 1    | 0          | 1            | 1   |
| PL.12207     | PL.10717    | C   | 2ACSR              | 7.45Y     | 124.1        | 0.00            | 1.85   | 1.99         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 5.019                               | 0.017 | 0    | 0          | 0            | 3   |
| PD.1637      | PL.12207    | C   | fuse6AMP           | 7.45Y     | 124.1        | 0.00            | 1.85   | 1.99         | 34       | 15         | 2       | 99         | 0.00      | 0.0               | 5.019                               | 0.000 | 0    | 0          | 0            | 3   |
| PL.12208     | PD.1637     | C   | 2ACSR              | 7.45Y     | 124.1        | 0.01            | 1.86   | 1.99         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 5.176                               | 0.156 | 0    | 0          | 0            | 3   |
| 484521       | PL.12208    | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.86   | 0.65         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 5.176                               | 0.000 | 5    | 0          | 1            | 1   |
| PL.11818     | PL.12208    | C   | 2ACSR              | 7.45Y     | 124.1        | 0.00            | 1.86   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.249                               | 0.074 | 0    | 0          | 0            | 1   |
| 484523       | PL.11818    | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.86   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.249                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.24141     | PL.12208    | C   | 2ACSR              | 7.45Y     | 124.1        | 0.00            | 1.87   | 1.35         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 5.221                               | 0.045 | 0    | 0          | 0            | 1   |
| 484546       | PL.24141    | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.87   | 1.35         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 5.221                               | 0.000 | 10   | 1          | 1            | 1   |
| 484512       | PL.11396    | C   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.75   | 0.86         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.647                               | 0.000 | 6    | 1          | 1            | 1   |
| 484509       | PL.11413    | C   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.59   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.237                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.6633      | PL.38722    | C   | 2ACSR              | 7.47Y     | 124.4        | 0.01            | 1.58   | 2.61         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 4.329                               | 0.122 | 0    | 0          | 0            | 3   |
| PL.6634      | PL.6633     | C   | 2ACSR              | 7.47Y     | 124.4        | 0.00            | 1.58   | 2.61         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 4.329                               | 0.000 | 0    | 0          | 0            | 3   |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 484543       | PL.6634     | C   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.58                     | 0.98         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.329                               | 0.000 | 7    | 1          | 1            | 1 |
| 484560       | PL.6634     | C   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.58                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.329                               | 0.000 | 1    | 0          | 1            | 1 |
| 484542       | PL.6634     | C   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.58                     | 1.53         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 4.329                               | 0.000 | 11   | 1          | 1            | 1 |
| 4845072      | PL.11416    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.54                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.153                               | 0.000 | 0    | 0          | 0            | 0 |
| 484533       | PL.11416    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.54                     | 1.14         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 4.153                               | 0.000 | 8    | 1          | 1            | 1 |
| 4845040      | PL.19050    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.858                               | 0.000 | 0    | 0          | 0            | 0 |
| 484551       | PL.19050    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71                     | 1.14         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.858                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.38593     | PL.38591    | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.45                     | 1.24         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 3.895                               | 0.068 | 0    | 0          | 0            | 1 |
| 483529       | PL.38593    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.45                     | 1.24         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.895                               | 0.000 | 9    | 1          | 1            | 1 |
| 483530       | PL.38588    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71                     | 1.74         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 3.705                               | 0.000 | 13   | 1          | 1            | 1 |
| PL.39513     | PL.38584    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.70                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.786                               | 0.105 | 0    | 0          | 0            | 1 |
| 4835040      | PL.39513    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.786                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.38596     | PL.38584    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.70                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.694                               | 0.013 | 0    | 0          | 0            | 2 |
| PD.6705      | PL.38596    | B   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.694                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.38597     | PD.6705     | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.70                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.703                               | 0.009 | 0    | 0          | 0            | 2 |
| PL.38587     | PL.38597    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.71                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.907                               | 0.204 | 0    | 0          | 0            | 2 |
| 483506       | PL.38587    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.907                               | 0.000 | 0    | 0          | 1            | 1 |
| 483523       | PL.38587    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.907                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.37608     | PL.38574    | C   | 2ACSR              | 7.48Y     | 124.6        | 0.00            | 1.40                     | 1.21         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.530                               | 0.044 | 0    | 0          | 0            | 1 |
| 4835042      | PL.37608    | C   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.40                     | 1.21         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.530                               | 0.000 | 9    | 1          | 1            | 1 |
| 483531       | PL.38569    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 2.84         | 0        | 21         | 2       | 100        | 0.00      | 0.0               | 3.348                               | 0.000 | 21   | 2          | 1            | 1 |
| PL.38563     | PL.38559    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.69                     | 1.69         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 3.297                               | 0.010 | 0    | 0          | 0            | 3 |
| PD.6701      | PL.38563    | B   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 1.69         | 29       | 13         | 1       | 100        | 0.00      | 0.0               | 3.297                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.38564     | PD.6701     | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.69                     | 1.69         | 1        | 13         | 1       | 100        | 0.00      | 0.0               | 3.359                               | 0.062 | 0    | 0          | 0            | 3 |
| PL.3134      | PL.38564    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.60         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 3.451                               | 0.092 | 0    | 0          | 0            | 1 |
| 483509       | PL.3134     | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.60         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 3.451                               | 0.000 | 4    | 0          | 1            | 1 |
| PL.24137     | PL.38564    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.69                     | 1.08         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.437                               | 0.078 | 0    | 0          | 0            | 2 |
| 483517       | PL.24137    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.87         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.437                               | 0.000 | 6    | 1          | 1            | 1 |
| 483528       | PL.24137    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.437                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.38565     | PL.38558    | B   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.68                     | 3.21         | 2        | 24         | 2       | 100        | 0.00      | 0.0               | 3.235                               | 0.010 | 0    | 0          | 0            | 3 |
| PD.6702      | PL.38565    | B   | fuse9AMP           | 7.46Y     | 124.3        | 0.00            | 1.68                     | 3.21         | 0        | 24         | 2       | 100        | 0.00      | 0.0               | 3.235                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.38566     | PD.6702     | B   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.69                     | 3.21         | 2        | 24         | 2       | 100        | 0.00      | 0.0               | 3.268                               | 0.033 | 0    | 0          | 0            | 3 |
| 483535       | PL.38566    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 1.14         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.268                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.38560     | PL.38566    | B   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.69                     | 2.07         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 3.327                               | 0.059 | 0    | 0          | 0            | 2 |
| PL.20634     | PL.38560    | B   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.70                     | 1.94         | 1        | 14         | 1       | 100        | 0.00      | 0.0               | 3.362                               | 0.035 | 0    | 0          | 0            | 1 |
| 483510       | PL.20634    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 1.94         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 3.362                               | 0.000 | 14   | 1          | 1            | 1 |
| 483534       | PL.38560    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.327                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.38548     | PL.38541    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.68                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.194                               | 0.010 | 0    | 0          | 0            | 2 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PD.6696      | PL.38548    | B   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.68                     | 0.73         | 12       | 5          | 1       | 98         | 0.00      | 0.0               | 3.194                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.38549     | PD.6696     | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.68                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.408                               | 0.214 | 0    | 0          | 0            | 2 |
| PL.24140     | PL.38549    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.68                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.488                               | 0.080 | 0    | 0          | 0            | 2 |
| PL.3135      | PL.24140    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.68                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.690                               | 0.202 | 0    | 0          | 0            | 1 |
| 483519       | PL.3135     | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.68                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.690                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.24139     | PL.24140    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.01            | 1.69                     | 0.70         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.799                               | 0.311 | 0    | 0          | 0            | 1 |
| 483507       | PL.24139    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.70         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.799                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.38557     | PL.38530    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.66                     | 0.66         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.036                               | 0.008 | 0    | 0          | 0            | 2 |
| PD.6700      | PL.38557    | B   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.66                     | 0.66         | 11       | 5          | 1       | 98         | 0.00      | 0.0               | 3.036                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.38556     | PD.6700     | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.66                     | 0.66         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.075                               | 0.039 | 0    | 0          | 0            | 2 |
| 483522       | PL.38556    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.66                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.075                               | 0.000 | 2    | 0          | 1            | 1 |
| 483504       | PL.38556    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.66                     | 0.45         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.075                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.38554     | PL.38530    | A   | 2ACSR              | 7.36Y     | 122.6        | 0.00            | 3.41                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.040                               | 0.012 | 0    | 0          | 0            | 1 |
| PD.6699      | PL.38554    | A   | fuse6AMP           | 7.36Y     | 122.6        | 0.00            | 3.41                     | 0.10         | 2        | 1          | 0       | 100        | 0.00      | 0.0               | 3.040                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.38555     | PD.6699     | A   | 2ACSR              | 7.36Y     | 122.6        | 0.00            | 3.41                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.051                               | 0.011 | 0    | 0          | 0            | 1 |
| PL.3133      | PL.38555    | A   | 2ACSR              | 7.36Y     | 122.6        | 0.00            | 3.41                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.131                               | 0.080 | 0    | 0          | 0            | 1 |
| 483408       | PL.3133     | A   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.41                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.131                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.38552     | PL.38530    | A   | 2ACSR              | 7.36Y     | 122.6        | -0.00           | 3.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.037                               | 0.009 | 0    | 0          | 0            | 1 |
| PD.6698      | PL.38552    | A   | fuse6AMP           | 7.36Y     | 122.6        | 0.00            | 3.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.037                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.38553     | PD.6698     | A   | 2ACSR              | 7.36Y     | 122.6        | -0.00           | 3.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.047                               | 0.010 | 0    | 0          | 0            | 1 |
| PL.38535     | PL.38553    | A   | 2ACSR              | 7.36Y     | 122.6        | -0.00           | 3.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.130                               | 0.083 | 0    | 0          | 0            | 1 |
| 483405       | PL.38535    | A   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.130                               | 0.000 | 0    | 0          | 0            | 0 |
| 483406       | PL.38535    | A   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.130                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.38500     | PL.38498    | B   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.61                     | 0.95         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.639                               | 0.124 | 0    | 0          | 0            | 2 |
| 482501       | PL.38500    | B   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.61                     | 0.86         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.639                               | 0.000 | 6    | 1          | 1            | 1 |
| 482511       | PL.38500    | B   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.61                     | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.639                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.9908      | PL.38492    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27                     | 1.47         | 1        | 11         | 1       | 100        | 0.00      | 0.0               | 2.357                               | 0.005 | 0    | 0          | 0            | 4 |
| PD.1623      | PL.9908     | C   | fuse6AMP           | 7.48Y     | 124.7        | 0.00            | 1.27                     | 1.47         | 25       | 11         | 1       | 100        | 0.00      | 0.0               | 2.357                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.9909      | PD.1623     | C   | 4ACSR              | 7.48Y     | 124.7        | 0.03            | 1.29                     | 1.47         | 1        | 11         | 1       | 100        | 0.00      | 0.0               | 2.783                               | 0.426 | 0    | 0          | 0            | 4 |
| PL.6509      | PL.9909     | C   | 4ACSR              | 7.48Y     | 124.7        | 0.02            | 1.32                     | 1.09         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.258                               | 0.475 | 0    | 0          | 0            | 2 |
| PL.6510      | PL.6509     | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.32                     | 0.82         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.298                               | 0.040 | 0    | 0          | 0            | 1 |
| PL.3106      | PL.6510     | C   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.32                     | 0.82         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.445                               | 0.147 | 0    | 0          | 0            | 1 |
| 482506       | PL.3106     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.32                     | 0.82         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.445                               | 0.000 | 6    | 1          | 1            | 1 |
| 482505       | PL.6509     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.32                     | 0.27         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.258                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.3108      | PL.9909     | C   | 2ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.38         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.869                               | 0.086 | 0    | 0          | 0            | 2 |
| 482503       | PL.3108     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.869                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.23959     | PL.3108     | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.928                               | 0.059 | 0    | 0          | 0            | 1 |
| 482513       | PL.23959    | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.928                               | 0.000 | 0    | 0          | 1            | 1 |



Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Units Displayed In Volts (Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi)), Element (KW, KVAR), Cons On, Cons Thru. Rows include elements like 482413, PL.3107, 482412, etc., up to PL.32894.

----- Feeder No. 2 (SIDEVIEW2) Beginning with Device PD.3908 -----

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PD.3908, PL.32895, PL.2662, 481619, PL.7059, 481604, PL.7060, PL.22471, PD.2746-A, PD.2746-B, PL.22472, PL.20629, 481620, 481626, 481623, PL.20630, PL.19589, PL.19590, PL.14627, PL.26529, PD.1707, PL.19523, PL.19524.

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. The table contains multiple rows of data for various elements and conductors.

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.26530, PL.26531, PL.15764, etc.

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PL.39718, PL.39719, PL.39690, etc.

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes data for various elements like 481838, 481807, PL.7097, etc.

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW | KVAR | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|-------------------------------------|----|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss |       |       |                   |                                     |    |      |            |              |
| PL.15144     | PL.15448    | A   | 1/0ACSR            | 15.05Y    | 125.4        | 0.01            | 0.55                     | 18.40        | 6        | 276        | 28   | 99      | 0.04       | 0.0       | 3.480 | 0.047 | 0                 | 0                                   | 0  | 42   |            |              |
|              |             | B   |                    | 14.99Y    | 125.0        | 0.01            | 1.04                     | 13.81        | 4        | 206        | 22   | 99      |            |           |       |       | 0                 | 0                                   | 0  | 56   |            |              |
|              |             | C   |                    | 15.08Y    | 125.7        | 0.01            | 0.32                     | 22.83        | 7        | 343        | 29   | 100     |            |           |       |       | 0                 | 0                                   | 0  | 63   |            |              |
| PL.38758     | PL.15144    | A   | 1/0ACSR            | 15.05Y    | 125.4        | 0.00            | 0.55                     | 18.40        | 6        | 276        | 28   | 99      | 0.02       | 0.0       | 3.497 | 0.017 | 0                 | 0                                   | 0  | 42   |            |              |
|              |             | B   |                    | 14.99Y    | 125.0        | 0.00            | 1.04                     | 13.81        | 4        | 206        | 22   | 99      |            |           |       |       | 0                 | 0                                   | 0  | 56   |            |              |
|              |             | C   |                    | 15.08Y    | 125.7        | 0.00            | 0.32                     | 22.83        | 7        | 343        | 29   | 100     |            |           |       |       | 0                 | 0                                   | 0  | 63   |            |              |
| PD.6711      | PL.38758    | A   | 100E               | 15.05Y    | 125.4        | 0.00            | 0.55                     | 18.40        | 18       | 276        | 28   | 99      | 0.00       | 0.0       | 3.497 | 0.000 | 0                 | 0                                   | 0  | 42   |            |              |
|              |             | B   |                    | 14.99Y    | 125.0        | 0.00            | 1.04                     | 13.81        | 14       | 206        | 22   | 99      |            |           |       |       | 0                 | 0                                   | 0  | 56   |            |              |
|              |             | C   |                    | 15.08Y    | 125.7        | 0.00            | 0.32                     | 22.83        | 23       | 343        | 29   | 100     |            |           |       |       | 0                 | 0                                   | 0  | 63   |            |              |
| PL.38759     | PD.6711     | A   | 1/0ACSR            | 15.05Y    | 125.4        | 0.02            | 0.57                     | 18.40        | 6        | 276        | 28   | 99      | 0.16       | 0.0       | 3.672 | 0.175 | 0                 | 0                                   | 0  | 42   |            |              |
|              |             | B   |                    | 14.99Y    | 124.9        | 0.02            | 1.06                     | 13.81        | 4        | 206        | 22   | 99      |            |           |       |       | 0                 | 0                                   | 0  | 56   |            |              |
|              |             | C   |                    | 15.08Y    | 125.6        | 0.04            | 0.36                     | 22.83        | 7        | 343        | 29   | 100     |            |           |       |       | 0                 | 0                                   | 0  | 63   |            |              |
| PL.15446     | PL.38759    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.12         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 3.687 | 0.015 | 0                 | 0                                   | 0  | 2    |            |              |
| PD.1710      | PL.15446    | B   | fuse6AMP           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.12         | 2        | 2          | 0    | 100     | 0.00       | 0.0       | 3.687 | 0.000 | 0                 | 0                                   | 0  | 2    |            |              |
| PL.15447     | PD.1710     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.12         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 3.759 | 0.072 | 0                 | 0                                   | 0  | 2    |            |              |
| PL.7091      | PL.15447    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.836 | 0.077 | 0                 | 0                                   | 0  | 1    |            |              |
| 480806       | PL.7091     | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.836 | 0.000 | 0                 | 0                                   | 1  | 1    |            |              |
| 480805       | PL.15447    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.12         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 3.759 | 0.000 | 2                 | 0                                   | 1  | 1    |            |              |
| PL.7092      | PL.38759    | A   | 1/0ACSR            | 15.05Y    | 125.4        | 0.01            | 0.59                     | 18.40        | 6        | 276        | 28   | 99      | 0.12       | 0.0       | 3.802 | 0.130 | 0                 | 0                                   | 0  | 42   |            |              |
|              |             | B   |                    | 14.99Y    | 124.9        | 0.01            | 1.08                     | 13.69        | 4        | 204        | 22   | 99      |            |           |       |       | 0                 | 0                                   | 0  | 54   |            |              |
|              |             | C   |                    | 15.07Y    | 125.6        | 0.03            | 0.38                     | 22.83        | 7        | 343        | 29   | 100     |            |           |       |       | 0                 | 0                                   | 0  | 63   |            |              |
| 480905       | PL.7092     | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.802 | 0.000 | 0                 | 0                                   | 0  | 0    |            |              |
| 480903       | PL.7092     | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.18         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 3.802 | 0.000 | 3                 | 0                                   | 1  | 1    |            |              |
| PL.15444     | PL.7092     | A   | 1/0ACSR            | 15.05Y    | 125.4        | 0.00            | 0.59                     | 18.40        | 6        | 276        | 28   | 99      | 0.04       | 0.0       | 3.846 | 0.045 | 0                 | 0                                   | 0  | 42   |            |              |
|              |             | B   |                    | 14.99Y    | 124.9        | 0.00            | 1.08                     | 13.51        | 4        | 201        | 22   | 99      |            |           |       |       | 0                 | 0                                   | 0  | 53   |            |              |
|              |             | C   |                    | 15.07Y    | 125.6        | 0.01            | 0.39                     | 22.83        | 7        | 343        | 29   | 100     |            |           |       |       | 0                 | 0                                   | 0  | 63   |            |              |
| PL.15288     | PL.15444    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.22         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 3.863 | 0.017 | 0                 | 0                                   | 0  | 3    |            |              |
| PD.1709      | PL.15288    | B   | fuse6AMP           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.22         | 4        | 3          | 0    | 100     | 0.00       | 0.0       | 3.863 | 0.000 | 0                 | 0                                   | 0  | 3    |            |              |
| PL.15289     | PD.1709     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.22         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 4.022 | 0.159 | 0                 | 0                                   | 0  | 3    |            |              |
| 480906       | PL.15289    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 4.022 | 0.000 | 0                 | 0                                   | 1  | 1    |            |              |
| PL.2641      | PL.15289    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.22         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 4.186 | 0.164 | 0                 | 0                                   | 0  | 2    |            |              |
| PL.2639      | PL.2641     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 4.474 | 0.288 | 0                 | 0                                   | 0  | 0    |            |              |
| PL.2642      | PL.2641     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.09                     | 0.21         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 4.292 | 0.106 | 0                 | 0                                   | 0  | 1    |            |              |
| 480902       | PL.2642     | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.09                     | 0.21         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 4.292 | 0.000 | 3                 | 0                                   | 1  | 1    |            |              |
| PL.2640      | PL.2641     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 4.401 | 0.215 | 0                 | 0                                   | 0  | 1    |            |              |
| 481903       | PL.2640     | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 4.401 | 0.000 | 0                 | 0                                   | 1  | 1    |            |              |
| PL.15445     | PL.15444    | A   | 1/0ACSR            | 15.05Y    | 125.4        | 0.03            | 0.62                     | 18.40        | 6        | 276        | 28   | 99      | 0.26       | 0.0       | 4.134 | 0.288 | 0                 | 0                                   | 0  | 42   |            |              |
|              |             | B   |                    | 14.99Y    | 124.9        | 0.03            | 1.11                     | 13.29        | 4        | 198        | 21   | 99      |            |           |       |       | 0                 | 0                                   | 0  | 50   |            |              |
|              |             | C   |                    | 15.07Y    | 125.5        | 0.06            | 0.45                     | 22.83        | 7        | 343        | 28   | 100     |            |           |       |       | 0                 | 0                                   | 0  | 63   |            |              |
| PL.15442     | PL.15445    | A   | 1/0ACSR            | 15.04Y    | 125.4        | 0.00            | 0.63                     | 18.40        | 6        | 275        | 28   | 99      | 0.04       | 0.0       | 4.177 | 0.043 | 0                 | 0                                   | 0  | 42   |            |              |
|              |             | B   |                    | 14.99Y    | 124.9        | 0.00            | 1.12                     | 13.29        | 4        | 198        | 21   | 99      |            |           |       |       | 0                 | 0                                   | 0  | 50   |            |              |
|              |             | C   |                    | 15.06Y    | 125.5        | 0.01            | 0.46                     | 22.83        | 7        | 343        | 28   | 100     |            |           |       |       | 0                 | 0                                   | 0  | 63   |            |              |
| PL.15286     | PL.15442    | A   | 4ACSR              | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.13         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 4.194 | 0.017 | 0                 | 0                                   | 0  | 1    |            |              |
| PD.1321      | PL.15286    | A   | fuse6AMP           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.13         | 2        | 2          | 0    | 100     | 0.00       | 0.0       | 4.194 | 0.000 | 0                 | 0                                   | 0  | 1    |            |              |
| PL.15287     | PD.1321     | A   | 4ACSR              | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.13         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 4.249 | 0.055 | 0                 | 0                                   | 0  | 1    |            |              |
| 429901       | PL.15287    | A   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.13         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 4.249 | 0.000 | 2                 | 0                                   | 1  | 1    |            |              |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.15443, PL.15284, PD.1320, etc.

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low



Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PL.43656, PD.8300-A, PD.8300-B, etc.

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.26340, PL.26341, 379310, etc.

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.20656, PL.43658, PD.8301-A, etc.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.16042     | PL.26810    | B   | 4ACSR              | 15.08Y    | 125.6        | 0.00            | 0.37                     | 8.86         | 5        | 133        | 14      | 99         | 0.00      | 0.0               | 8.516                               | 0.013 | 0    | 0          | 0            | 27 |
| PD.3399      | PL.16042    | B   | 25E                | 15.08Y    | 125.6        | 0.00            | 0.37                     | 8.86         | 35       | 133        | 14      | 99         | 0.00      | 0.0               | 8.516                               | 0.000 | 0    | 0          | 0            | 27 |
| PL.16043     | PD.3399     | B   | 4ACSR              | 15.07Y    | 125.6        | 0.01            | 0.38                     | 8.86         | 5        | 133        | 14      | 99         | 0.01      | 0.0               | 8.568                               | 0.052 | 0    | 0          | 0            | 27 |
| PL.26811     | PL.16043    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.02            | 0.39                     | 8.86         | 5        | 133        | 14      | 99         | 0.02      | 0.0               | 8.660                               | 0.092 | 0    | 0          | 0            | 27 |
| PL.21181     | PL.26811    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 8.676                               | 0.015 | 0    | 0          | 0            | 4  |
| PD.1171      | PL.21181    | B   | fuse8AMP           | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.56         | 8        | 8          | 1       | 99         | 0.00      | 0.0               | 8.676                               | 0.000 | 0    | 0          | 0            | 4  |
| PL.28545     | PD.1171     | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 8.692                               | 0.016 | 0    | 0          | 0            | 4  |
| 378402       | PL.28545    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.692                               | 0.000 | 0    | 0          | 1            | 1  |
| 378401       | PL.28545    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 8.692                               | 0.000 | 5    | 1          | 1            | 1  |
| 378418       | PL.28545    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.692                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.28546     | PL.28545    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.20         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 8.725                               | 0.033 | 0    | 0          | 0            | 1  |
| PL.28282     | PL.28546    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.20         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 8.957                               | 0.233 | 0    | 0          | 0            | 1  |
| 377308       | PL.28282    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.20         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 8.957                               | 0.000 | 3    | 0          | 1            | 1  |
| 378427       | PL.26811    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.06         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 8.660                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.26812     | PL.26811    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.39                     | 8.24         | 4        | 123        | 13      | 99         | 0.00      | 0.0               | 8.660                               | 0.000 | 0    | 0          | 0            | 22 |
| PL.26813     | PL.26812    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.03            | 0.43                     | 8.24         | 4        | 123        | 13      | 99         | 0.03      | 0.0               | 8.853                               | 0.193 | 0    | 0          | 0            | 22 |
| PL.43638     | PL.26813    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.43                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.859                               | 0.005 | 0    | 0          | 0            | 1  |
| PD.8289      | PL.43638    | B   | fuse6AMP           | 15.07Y    | 125.6        | 0.00            | 0.43                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.859                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.43639     | PD.8289     | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.43                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.909                               | 0.051 | 0    | 0          | 0            | 1  |
| 377420       | PL.43639    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.43                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.909                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.26814     | PL.26813    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.01            | 0.44                     | 8.23         | 4        | 123        | 13      | 99         | 0.01      | 0.0               | 8.921                               | 0.068 | 0    | 0          | 0            | 21 |
| PL.43636     | PL.26814    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.44                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 8.926                               | 0.005 | 0    | 0          | 0            | 1  |
| PD.8288      | PL.43636    | B   | fuse6AMP           | 15.07Y    | 125.6        | 0.00            | 0.44                     | 0.53         | 9        | 8          | 1       | 99         | 0.00      | 0.0               | 8.926                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.43637     | PD.8288     | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.44                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 9.114                               | 0.188 | 0    | 0          | 0            | 1  |
| 377317       | PL.43637    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.44                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 9.114                               | 0.000 | 8    | 1          | 1            | 1  |
| 377407       | PL.26814    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.44                     | 0.15         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.921                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.26815     | PL.26814    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.01            | 0.45                     | 7.56         | 4        | 113        | 12      | 99         | 0.01      | 0.0               | 8.968                               | 0.047 | 0    | 0          | 0            | 19 |
| PL.43631     | PL.26815    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.45                     | 1.31         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 8.973                               | 0.005 | 0    | 0          | 0            | 3  |
| PD.8287      | PL.43631    | B   | fuse6AMP           | 15.07Y    | 125.6        | 0.00            | 0.45                     | 1.31         | 22       | 20         | 2       | 100        | 0.00      | 0.0               | 8.973                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.43634     | PD.8287     | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.45                     | 1.31         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 8.973                               | 0.001 | 0    | 0          | 0            | 3  |
| PL.43635     | PL.43634    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.45                     | 0.76         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 9.042                               | 0.068 | 0    | 0          | 0            | 2  |
| PL.22710     | PL.43635    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.45                     | 0.76         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 9.064                               | 0.022 | 0    | 0          | 0            | 2  |
| PL.28462     | PL.22710    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.45                     | 0.15         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.123                               | 0.059 | 0    | 0          | 0            | 1  |
| 377429       | PL.28462    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.45                     | 0.15         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.123                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.28463     | PL.28462    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.45                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.183                               | 0.060 | 0    | 0          | 0            | 0  |
| PL.23049     | PL.22710    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.45                     | 0.62         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 9.092                               | 0.029 | 0    | 0          | 0            | 1  |
| PL.21184     | PL.23049    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.45                     | 0.62         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 9.150                               | 0.058 | 0    | 0          | 0            | 1  |
| 377410       | PL.21184    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.45                     | 0.62         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 9.150                               | 0.000 | 9    | 1          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.43633     | PL.43634    | B   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.45                     | 0.55         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 8.997                               | 0.024 | 0    | 0          | 0            | 1  |
| 377432       | PL.43633    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.45                     | 0.55         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 8.997                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.26816     | PL.26815    | B   | 4ACSR              | 15.07Y    | 125.5        | 0.01            | 0.46                     | 6.25         | 3        | 94         | 10      | 99         | 0.01      | 0.0               | 9.052                               | 0.084 | 0    | 0          | 0            | 16 |
| PL.42243     | PL.26816    | B   | 4ACSR              | 15.07Y    | 125.5        | 0.00            | 0.46                     | 5.40         | 3        | 81         | 9       | 99         | 0.00      | 0.0               | 9.059                               | 0.007 | 0    | 0          | 0            | 14 |
| PD.7665-A    | PL.42243    | B   | Closed             | 15.07Y    | 125.5        | 0.00            | 0.46                     | 5.40         | 0        | 81         | 9       | 99         | 0.00      | 0.0               | 9.059                               | 0.000 | 0    | 0          | 0            | 14 |
| PD.7665-B    | PD.7665-A   | B   | Closed             | 15.07Y    | 125.5        | 0.00            | 0.46                     | 5.40         | 0        | 81         | 9       | 99         | 0.00      | 0.0               | 9.059                               | 0.000 | 0    | 0          | 0            | 14 |
| PL.42244     | PD.7665-B   | B   | 4ACSR              | 15.06Y    | 125.5        | 0.01            | 0.47                     | 5.40         | 3        | 81         | 9       | 99         | 0.01      | 0.0               | 9.180                               | 0.121 | 0    | 0          | 0            | 14 |
| PL.26821     | PL.42244    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47                     | 3.68         | 2        | 55         | 6       | 99         | 0.00      | 0.0               | 9.189                               | 0.009 | 0    | 0          | 0            | 10 |
| PL.5175      | PL.26821    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.01            | 0.48                     | 3.68         | 2        | 55         | 6       | 99         | 0.00      | 0.0               | 9.318                               | 0.129 | 0    | 0          | 0            | 10 |
| PL.27658     | PL.5175     | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49                     | 3.08         | 2        | 46         | 5       | 99         | 0.00      | 0.0               | 9.373                               | 0.055 | 0    | 0          | 0            | 6  |
| PL.27659     | PL.27658    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49                     | 3.08         | 2        | 46         | 5       | 99         | 0.00      | 0.0               | 9.432                               | 0.059 | 0    | 0          | 0            | 6  |
| PL.1798      | PL.27659    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.471                               | 0.039 | 0    | 0          | 0            | 0  |
| PL.26822     | PL.27659    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.01            | 0.50                     | 3.08         | 2        | 46         | 5       | 99         | 0.00      | 0.0               | 9.585                               | 0.153 | 0    | 0          | 0            | 6  |
| PL.26823     | PL.26822    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 1.30         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 9.633                               | 0.048 | 0    | 0          | 0            | 3  |
| PL.26824     | PL.26823    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 9.702                               | 0.069 | 0    | 0          | 0            | 2  |
| PL.92        | PL.26824    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 9.725                               | 0.022 | 0    | 0          | 0            | 2  |
| PL.26825     | PL.92       | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 9.784                               | 0.059 | 0    | 0          | 0            | 2  |
| PL.28569     | PL.26825    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 9.795                               | 0.012 | 0    | 0          | 0            | 2  |
| PL.21498     | PL.28569    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 9.798                               | 0.002 | 0    | 0          | 0            | 2  |
| PD.1128      | PL.21498    | B   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.61         | 10       | 9          | 1       | 99         | 0.00      | 0.0               | 9.798                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.22421     | PD.1128     | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 9.823                               | 0.026 | 0    | 0          | 0            | 1  |
| 376403       | PL.22421    | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 9.823                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.21499     | PD.1128     | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.955                               | 0.157 | 0    | 0          | 0            | 1  |
| 376402       | PL.21499    | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.955                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.1797      | PL.26823    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.69         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 9.644                               | 0.010 | 0    | 0          | 0            | 1  |
| PL.2028      | PL.1797     | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.69         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 9.695                               | 0.051 | 0    | 0          | 0            | 1  |
| 377315       | PL.2028     | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.69         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 9.695                               | 0.000 | 10   | 1          | 1            | 1  |
| PL.1796      | PL.26822    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 1.74         | 1        | 26         | 3       | 99         | 0.00      | 0.0               | 9.603                               | 0.018 | 0    | 0          | 0            | 2  |
| PL.2034      | PL.1796     | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 1.74         | 1        | 26         | 3       | 99         | 0.00      | 0.0               | 9.668                               | 0.065 | 0    | 0          | 0            | 2  |
| 377313       | PL.2034     | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.87         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 9.668                               | 0.000 | 13   | 1          | 1            | 1  |
| 377316       | PL.2034     | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.87         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 9.668                               | 0.000 | 13   | 1          | 1            | 1  |
| 377434       | PL.26822    | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 9.585                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.43627     | PL.5175     | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.19         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 9.323                               | 0.005 | 0    | 0          | 0            | 2  |
| PD.8285      | PL.43627    | B   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.19         | 3        | 3          | 0       | 100        | 0.00      | 0.0               | 9.323                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.43628     | PD.8285     | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.19         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 9.412                               | 0.088 | 0    | 0          | 0            | 2  |
| PL.21544     | PL.43628    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.412                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.21543     | PL.43628    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.458                               | 0.047 | 0    | 0          | 0            | 1  |
| 377408       | PL.21543    | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 9.458                               | 0.000 | 2    | 0          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name | Parent Name | Cnf         | Type/<br>Conductor | Pri<br>kV                  | Base<br>Volt            | Element<br>Drop       | Units Displayed In Volts<br>-Base Voltage:120.0- |                       |             |                  |               |                 |                    |           | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |             | Cons<br>On  | Cons<br>Thru  |
|--------------|-------------|-------------|--------------------|----------------------------|-------------------------|-----------------------|--|-----------------------|-------------|------------------|---------------|-----------------|--------------------|-----------|-------------------|----------------|-------------------|-------------|-------------|---------------|
|              |             |             |                    |                            |                         |                       | Accum<br>Drop                                    | Thru<br>Amps          | %<br>Cap    | Thru<br>KW       | KVAR          | %<br>PF         | kW<br>Loss         | %<br>Loss |                   |                | KW                | KVAR        |             |               |
| PL.21545     | PL.43628    | B           | 4ACSR              | 15.06Y                     | 125.5                   | 0.00                  | 0.48   | 0.02                  | 0           | 0                | 0             | 100             | 0.00               | 0.0       | 9.455             | 0.043          | 0                 | 0           | 0           | 1             |
| 377423       | PL.21545    | B           | Consumer           | 15.06Y                     | 125.5                   | 0.00                  | 0.48   | 0.02                  | 0           | 0                | 0             | 100             | 0.00               | 0.0       | 9.455             | 0.000          | 0                 | 0           | 1           | 1             |
| 377422       | PL.5175     | B           | Consumer           | 15.06Y                     | 125.5                   | 0.00                  | 0.48   | 0.42                  | 0           | 6                | 1             | 99              | 0.00               | 0.0       | 9.318             | 0.000          | 6                 | 1           | 1           | 1             |
| 377430       | PL.5175     | B           | Consumer           | 15.06Y                     | 125.5                   | 0.00                  | 0.48   | 0.00                  | 0           | 0                | 0             | 100             | 0.00               | 0.0       | 9.318             | 0.000          | 0                 | 0           | 1           | 1             |
| 377427       | PL.26821    | B           | Consumer           | 15.06Y                     | 125.5                   | 0.00                  | 0.47   | 0.00                  | 0           | 0                | 0             | 100             | 0.00               | 0.0       | 9.189             | 0.000          | 0                 | 0           | 0           | 0             |
| PL.43629     | PL.42244    | B           | 4ACSR              | 15.06Y                     | 125.5                   | 0.00                  | 0.47   | 1.71                  | 1           | 26               | 3             | 99              | 0.00               | 0.0       | 9.185             | 0.004          | 0                 | 0           | 0           | 4             |
| PD.8286      | PL.43629    | B           | fuse6AMP           | 15.06Y                     | 125.5                   | 0.00                  | 0.47   | 1.71                  | 29          | 26               | 3             | 99              | 0.00               | 0.0       | 9.185             | 0.000          | 0                 | 0           | 0           | 4             |
| PL.43630     | PD.8286     | B           | 4ACSR              | 15.06Y                     | 125.5                   | 0.00                  | 0.47   | 1.71                  | 1           | 26               | 3             | 99              | 0.00               | 0.0       | 9.248             | 0.064          | 0                 | 0           | 0           | 4             |
| 377405       | PL.43630    | B           | Consumer           | 15.06Y                     | 125.5                   | 0.00                  | 0.47   | 0.17                  | 0           | 3                | 0             | 100             | 0.00               | 0.0       | 9.248             | 0.000          | 3                 | 0           | 1           | 1             |
| 377428       | PL.43630    | B           | Consumer           | 15.06Y                     | 125.5                   | 0.00                  | 0.47   | 0.72                  | 0           | 11               | 1             | 100             | 0.00               | 0.0       | 9.248             | 0.000          | 11                | 1           | 1           | 1             |
| 377414       | PL.43630    | B           | Consumer           | 15.06Y                     | 125.5                   | 0.00                  | 0.47   | 0.18                  | 0           | 3                | 0             | 100             | 0.00               | 0.0       | 9.248             | 0.000          | 3                 | 0           | 1           | 1             |
| 377415       | PL.43630    | B           | Consumer           | 15.06Y                     | 125.5                   | 0.00                  | 0.47   | 0.64                  | 0           | 10               | 1             | 100             | 0.00               | 0.0       | 9.248             | 0.000          | 10                | 1           | 1           | 1             |
| PL.42245     | PL.26816    | B           | 4ACSR              | 15.07Y                     | 125.5                   | 0.00                  | 0.46   | 0.86                  | 0           | 13               | 1             | 100             | 0.00               | 0.0       | 9.055             | 0.002          | 0                 | 0           | 0           | 2             |
| PD.7666      | PL.42245    | B           | fuse6AMP           | 15.07Y                     | 125.5                   | 0.00                  | 0.46   | 0.86                  | 15          | 13               | 1             | 100             | 0.00               | 0.0       | 9.055             | 0.000          | 0                 | 0           | 0           | 2             |
| PL.42248     | PD.7666     | B           | 4ACSR              | 15.07Y                     | 125.5                   | 0.00                  | 0.46   | 0.86                  | 0           | 13               | 1             | 100             | 0.00               | 0.0       | 9.055             | 0.001          | 0                 | 0           | 0           | 2             |
| PL.42249     | PL.42248    | B           | 4ACSR              | 15.07Y                     | 125.5                   | 0.00                  | 0.46   | 0.38                  | 0           | 6                | 1             | 99              | 0.00               | 0.0       | 9.120             | 0.064          | 0                 | 0           | 0           | 1             |
| 377419       | PL.42249    | B           | Consumer           | 15.07Y                     | 125.5                   | 0.00                  | 0.46   | 0.38                  | 0           | 6                | 1             | 99              | 0.00               | 0.0       | 9.120             | 0.000          | 6                 | 1           | 1           | 1             |
| PL.42247     | PL.42248    | B           | 4ACSR              | 15.07Y                     | 125.5                   | 0.00                  | 0.46   | 0.47                  | 0           | 7                | 1             | 99              | 0.00               | 0.0       | 9.104             | 0.048          | 0                 | 0           | 0           | 1             |
| 377431       | PL.42247    | B           | Consumer           | 15.07Y                     | 125.5                   | 0.00                  | 0.46   | 0.47                  | 0           | 7                | 1             | 99              | 0.00               | 0.0       | 9.104             | 0.000          | 7                 | 1           | 1           | 1             |
| 378303       | PL.26810    | B           | Consumer           | 15.08Y                     | 125.6                   | 0.00                  | 0.36   | 0.19                  | 0           | 3                | 0             | 100             | 0.00               | 0.0       | 8.504             | 0.000          | 3                 | 0           | 1           | 1             |
| PL.16041     | PL.19014    | A<br>B<br>C | 1/0ACSR            | 15.06Y<br>15.08Y<br>15.05Y | 125.5<br>125.7<br>125.4 | 0.01<br>-0.00<br>0.01 | 0.46<br>0.35<br>0.60                             | 12.98<br>1.35<br>9.05 | 4<br>0<br>3 | 195<br>20<br>135 | 18<br>2<br>14 | 100<br>99<br>99 | 0.02<br>0.0<br>0.0 | 0.0       | 8.493             | 0.066          | 0<br>0<br>0       | 0<br>0<br>0 | 0<br>0<br>0 | 30<br>6<br>27 |
| PD.244-A     | PL.16041    | A<br>B<br>C | Closed             | 15.06Y<br>15.08Y<br>15.05Y | 125.5<br>125.7<br>125.4 | 0.00<br>0.00<br>0.00  | 0.46<br>0.35<br>0.60                             | 12.98<br>1.35<br>9.05 | 0<br>0<br>0 | 195<br>20<br>135 | 18<br>2<br>14 | 100<br>99<br>99 | 0.00<br>0.0<br>0.0 | 0.0       | 8.493             | 0.000          | 0<br>0<br>0       | 0<br>0<br>0 | 0<br>0<br>0 | 30<br>6<br>27 |
| PD.244-B     | PD.244-A    | A<br>B<br>C | Closed             | 15.06Y<br>15.08Y<br>15.05Y | 125.5<br>125.7<br>125.4 | 0.00<br>0.00<br>0.00  | 0.46<br>0.35<br>0.60                             | 12.98<br>1.35<br>9.05 | 0<br>0<br>0 | 195<br>20<br>135 | 18<br>2<br>14 | 100<br>99<br>99 | 0.00<br>0.0<br>0.0 | 0.0       | 8.493             | 0.000          | 0<br>0<br>0       | 0<br>0<br>0 | 0<br>0<br>0 | 30<br>6<br>27 |
| PL.19277     | PD.244-B    | A<br>B<br>C | 1/0ACSR            | 15.06Y<br>15.08Y<br>15.05Y | 125.5<br>125.7<br>125.4 | 0.01<br>-0.00<br>0.01 | 0.47<br>0.34<br>0.62                             | 12.98<br>1.35<br>9.05 | 4<br>0<br>3 | 195<br>20<br>135 | 18<br>2<br>14 | 100<br>99<br>99 | 0.02<br>0.0<br>0.0 | 0.0       | 8.596             | 0.103          | 0<br>0<br>0       | 0<br>0<br>0 | 0<br>0<br>0 | 30<br>6<br>27 |
| PL.19278     | PL.19277    | A<br>B<br>C | 1/0ACSR            | 15.06Y<br>15.08Y<br>15.04Y | 125.5<br>125.7<br>125.4 | 0.01<br>-0.00<br>0.01 | 0.48<br>0.34<br>0.63                             | 12.98<br>0.71<br>9.05 | 4<br>0<br>3 | 195<br>11<br>135 | 18<br>1<br>14 | 100<br>99<br>99 | 0.02<br>0.0<br>0.0 | 0.0       | 8.687             | 0.091          | 0<br>0<br>0       | 0<br>0<br>0 | 0<br>0<br>0 | 30<br>5<br>27 |
| PL.16039     | PL.19278    | B           | 4ACSR              | 15.08Y                     | 125.7                   | 0.00                  | 0.34   | 0.44                  | 0           | 7                | 1             | 99              | 0.00               | 0.0       | 8.699             | 0.013          | 0                 | 0           | 0           | 1             |
| PD.1173      | PL.16039    | B           | fuse6AMP           | 15.08Y                     | 125.7                   | 0.00                  | 0.34   | 0.44                  | 8           | 7                | 1             | 99              | 0.00               | 0.0       | 8.699             | 0.000          | 0                 | 0           | 0           | 1             |
| PL.16040     | PD.1173     | B           | 4ACSR              | 15.08Y                     | 125.7                   | 0.00                  | 0.34   | 0.44                  | 0           | 7                | 1             | 99              | 0.00               | 0.0       | 8.741             | 0.041          | 0                 | 0           | 0           | 1             |
| 378424       | PL.16040    | B           | Consumer           | 15.08Y                     | 125.7                   | 0.00                  | 0.34   | 0.44                  | 0           | 7                | 1             | 99              | 0.00               | 0.0       | 8.741             | 0.000          | 7                 | 1           | 1           | 1             |
| PL.14419     | PL.19278    | A<br>B<br>C | 1/0ACSR            | 15.06Y<br>15.08Y<br>15.04Y | 125.5<br>125.7<br>125.4 | 0.01<br>-0.00<br>0.01 | 0.48<br>0.34<br>0.64                             | 12.98<br>0.27<br>9.05 | 4<br>0<br>3 | 195<br>4<br>135  | 18<br>0<br>14 | 100<br>99<br>99 | 0.02<br>0.0<br>0.0 | 0.0       | 8.758             | 0.071          | 0<br>0<br>0       | 0<br>0<br>0 | 0<br>0<br>0 | 30<br>4<br>27 |
| PL.14417     | PL.14419    | A<br>B<br>C | 1/0ACSR            | 15.06Y<br>15.08Y<br>15.04Y | 125.5<br>125.7<br>125.4 | 0.00<br>-0.00<br>0.00 | 0.48<br>0.34<br>0.64                             | 12.98<br>0.27<br>9.05 | 4<br>0<br>3 | 195<br>4<br>135  | 18<br>0<br>14 | 100<br>99<br>99 | 0.00<br>0.0<br>0.0 | 0.0       | 8.758             | 0.001          | 0<br>0<br>0       | 0<br>0<br>0 | 0<br>0<br>0 | 30<br>4<br>27 |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.22715, PD.3088, etc.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |           |            |           | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |      | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|-----------|------------|-----------|-------------------|----------------|-------------------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                | KW                | KVAR |            |              |    |
| PL.26805     | PL.18879    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.02            | 0.06   | 6.28         | 3        | 95         | 8         | 100        | 0.01      | 0.0               | 9.895          | 0.131             | 0    | 0          | 0            | 19 |
| PL.43646     | PL.26805    | A   | 4ACSR              | 15.11Y    | 125.9        | -0.00           | 0.06   | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.902          | 0.007             | 0    | 0          | 0            | 1  |
| PD.8294      | PL.43646    | A   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.06   | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.902          | 0.000             | 0    | 0          | 0            | 1  |
| PL.43647     | PD.8294     | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.06   | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.984          | 0.082             | 0    | 0          | 0            | 1  |
| 378515       | PL.43647    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.06   | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.984          | 0.000             | 0    | 0          | 1            | 1  |
| PL.27490     | PL.43647    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.06   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 10.082         | 0.097             | 0    | 0          | 0            | 0  |
| 378409       | PL.27490    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.06   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 10.082         | 0.000             | 0    | 0          | 0            | 0  |
| PL.26806     | PL.26805    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.02            | 0.08   | 6.27         | 3        | 94         | 8         | 100        | 0.01      | 0.0               | 10.015         | 0.119             | 0    | 0          | 0            | 18 |
| PL.26807     | PL.26806    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.01            | 0.08   | 2.81         | 1        | 42         | 4         | 100        | 0.00      | 0.0               | 10.136         | 0.122             | 0    | 0          | 0            | 9  |
| PL.41000     | PL.26807    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.09   | 2.81         | 1        | 42         | 4         | 100        | 0.00      | 0.0               | 10.172         | 0.035             | 0    | 0          | 0            | 9  |
| PL.41001     | PL.41000    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.09   | 2.56         | 1        | 39         | 4         | 99         | 0.00      | 0.0               | 10.224         | 0.052             | 0    | 0          | 0            | 8  |
| 378517       | PL.41001    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.09   | 0.28         | 0        | 4          | 0         | 100        | 0.00      | 0.0               | 10.224         | 0.000             | 4    | 0          | 1            | 1  |
| PL.43654     | PL.41001    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.02            | 0.11   | 2.28         | 1        | 34         | 4         | 99         | 0.01      | 0.0               | 10.671         | 0.448             | 0    | 0          | 0            | 7  |
| PD.8299-A    | PL.43654    | A   | Closed             | 15.11Y    | 125.9        | 0.00            | 0.11   | 2.28         | 0        | 34         | 4         | 99         | 0.00      | 0.0               | 10.671         | 0.000             | 0    | 0          | 0            | 7  |
| PD.8299-B    | PD.8299-A   | A   | Closed             | 15.11Y    | 125.9        | 0.00            | 0.11   | 2.28         | 0        | 34         | 4         | 99         | 0.00      | 0.0               | 10.671         | 0.000             | 0    | 0          | 0            | 7  |
| PL.43655     | PD.8299-B   | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11   | 2.28         | 1        | 34         | 4         | 99         | 0.00      | 0.0               | 10.684         | 0.013             | 0    | 0          | 0            | 7  |
| PL.43652     | PL.43655    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 10.692         | 0.008             | 0    | 0          | 0            | 1  |
| PD.8298      | PL.43652    | A   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.11   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 10.692         | 0.000             | 0    | 0          | 0            | 1  |
| PL.43653     | PD.8298     | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 10.758         | 0.066             | 0    | 0          | 0            | 1  |
| 378519       | PL.43653    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 10.758         | 0.000             | 0    | 0          | 1            | 1  |
| 378522       | PL.43653    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 10.758         | 0.000             | 0    | 0          | 0            | 0  |
| 378506       | PL.43655    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 10.684         | 0.000             | 0    | 0          | 0            | 0  |
| PL.26808     | PL.43655    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11   | 2.28         | 1        | 34         | 4         | 99         | 0.00      | 0.0               | 10.684         | 0.000             | 0    | 0          | 0            | 6  |
| PL.26809     | PL.26808    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.01            | 0.13   | 2.28         | 1        | 34         | 4         | 99         | 0.00      | 0.0               | 10.989         | 0.305             | 0    | 0          | 0            | 6  |
| PL.43640     | PL.26809    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13   | 0.81         | 0        | 12         | 1         | 100        | 0.00      | 0.0               | 10.996         | 0.007             | 0    | 0          | 0            | 2  |
| PD.1172      | PL.43640    | A   | fuse6AMP           | 15.10Y    | 125.9        | 0.00            | 0.13   | 0.81         | 14       | 12         | 1         | 100        | 0.00      | 0.0               | 10.996         | 0.000             | 0    | 0          | 0            | 2  |
| PL.43641     | PD.1172     | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13   | 0.81         | 0        | 12         | 1         | 100        | 0.00      | 0.0               | 11.174         | 0.179             | 0    | 0          | 0            | 2  |
| PL.18982     | PL.43641    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13   | 0.81         | 0        | 12         | 1         | 100        | 0.00      | 0.0               | 11.221         | 0.047             | 0    | 0          | 0            | 2  |
| 377512       | PL.18982    | A   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13   | 0.68         | 0        | 10         | 1         | 100        | 0.00      | 0.0               | 11.221         | 0.000             | 10   | 1          | 1            | 1  |
| PL.44696     | PL.18982    | A   | 2ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13   | 0.14         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 11.291         | 0.069             | 0    | 0          | 0            | 1  |
| PL.44697     | PL.44696    | A   | 2ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 11.364         | 0.073             | 0    | 0          | 0            | 0  |
| 3775014      | PL.44697    | A   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 11.364         | 0.000             | 0    | 0          | 0            | 0  |
| 377511       | PL.44696    | A   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13   | 0.14         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 11.291         | 0.000             | 2    | 0          | 1            | 1  |
| PL.22436     | PL.26809    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13   | 0.20         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 11.199         | 0.210             | 0    | 0          | 0            | 1  |
| PL.27494     | PL.22436    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13   | 0.20         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 11.202         | 0.003             | 0    | 0          | 0            | 1  |
| PL.27495     | PL.27494    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13   | 0.20         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 11.330         | 0.128             | 0    | 0          | 0            | 1  |
| PL.21539     | PL.27495    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13   | 0.20         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 11.390         | 0.060             | 0    | 0          | 0            | 1  |
| PL.21540     | PL.21539    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13   | 0.20         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 11.509         | 0.119             | 0    | 0          | 0            | 1  |



Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 377509       | PL.21540    | A   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.20         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 11.509                              | 0.000 | 3    | 0          | 1            | 1 |
| 3775015      | PL.21539    | A   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 11.390                              | 0.000 | 0    | 0          | 0            | 0 |
| PL.43642     | PL.26809    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 1.27         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 10.998                              | 0.009 | 0    | 0          | 0            | 3 |
| PD.8290      | PL.43642    | A   | fuse6AMP           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 1.27         | 22       | 19         | 2       | 99         | 0.00      | 0.0               | 10.998                              | 0.000 | 0    | 0          | 0            | 3 |
| PL.43643     | PD.8290     | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 1.27         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 11.137                              | 0.140 | 0    | 0          | 0            | 3 |
| PL.21178     | PL.43643    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 1.27         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 11.256                              | 0.119 | 0    | 0          | 0            | 3 |
| PL.27493     | PL.21178    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 1.27         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 11.266                              | 0.010 | 0    | 0          | 0            | 3 |
| PL.27496     | PL.27493    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 1.27         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 11.300                              | 0.034 | 0    | 0          | 0            | 3 |
| 377513       | PL.27496    | A   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.86         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 11.300                              | 0.000 | 13   | 1          | 1            | 1 |
| PL.27497     | PL.27496    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.14                     | 0.40         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 11.340                              | 0.040 | 0    | 0          | 0            | 2 |
| 377508       | PL.27497    | A   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14                     | 0.31         | 0        | 5          | 0       | 100        | 0.00      | 0.0               | 11.340                              | 0.000 | 5    | 0          | 1            | 1 |
| 377510       | PL.27497    | A   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14                     | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 11.340                              | 0.000 | 1    | 0          | 1            | 1 |
| 378521       | PL.41000    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.09                     | 0.25         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 10.172                              | 0.000 | 4    | 0          | 1            | 1 |
| 3785024      | PL.41000    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.09                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.172                              | 0.000 | 0    | 0          | 0            | 0 |
| PL.22435     | PL.26806    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.21         | 1        | 18         | 0       | 100        | 0.00      | 0.0               | 10.058                              | 0.044 | 0    | 0          | 0            | 2 |
| PL.39770     | PL.22435    | A   | 1/0EPRJCN          | 15.11Y    | 125.9        | -0.00           | 0.08                     | 0.51         | 0        | 8          | -1      | -99        | 0.00      | 0.0               | 10.059                              | 0.001 | 0    | 0          | 0            | 1 |
| PD.7102      | PL.39770    | A   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.51         | 9        | 8          | -1      | -99        | 0.00      | 0.0               | 10.059                              | 0.000 | 0    | 0          | 0            | 1 |
| PL.39771     | PD.7102     | A   | 1/0EPRJCN          | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.51         | 0        | 8          | -1      | -99        | 0.00      | 0.0               | 10.170                              | 0.112 | 0    | 0          | 0            | 1 |
| 3785023      | PL.39771    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.50         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 10.170                              | 0.000 | 8    | 1          | 1            | 1 |
| 378516       | PL.22435    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.72         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 10.058                              | 0.000 | 11   | 1          | 1            | 1 |
| PL.43650     | PL.26806    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.23         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 10.027                              | 0.013 | 0    | 0          | 0            | 4 |
| PD.8296      | PL.43650    | A   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.23         | 21       | 19         | 2       | 99         | 0.00      | 0.0               | 10.027                              | 0.000 | 0    | 0          | 0            | 4 |
| PL.43651     | PD.8296     | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.23         | 1        | 19         | 2       | 99         | 0.00      | 0.0               | 10.104                              | 0.076 | 0    | 0          | 0            | 4 |
| PL.27491     | PL.43651    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.03         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 10.155                              | 0.052 | 0    | 0          | 0            | 3 |
| 378510       | PL.27491    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 10.155                              | 0.000 | 5    | 1          | 1            | 1 |
| 378508       | PL.27491    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 10.155                              | 0.000 | 7    | 1          | 1            | 1 |
| PL.27492     | PL.27491    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.20         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 10.229                              | 0.073 | 0    | 0          | 0            | 1 |
| 378507       | PL.27492    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.20         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 10.229                              | 0.000 | 3    | 0          | 1            | 1 |
| 378503       | PL.43651    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.20         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 10.104                              | 0.000 | 3    | 0          | 1            | 1 |
| PL.43648     | PL.26806    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.02         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 10.022                              | 0.008 | 0    | 0          | 0            | 3 |
| PD.8295      | PL.43648    | A   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.02         | 17       | 15         | 2       | 99         | 0.00      | 0.0               | 10.022                              | 0.000 | 0    | 0          | 0            | 3 |
| PL.43649     | PD.8295     | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.02         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 10.132                              | 0.109 | 0    | 0          | 0            | 3 |
| PL.2041      | PL.43649    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.51         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 10.198                              | 0.067 | 0    | 0          | 0            | 1 |
| 378518       | PL.2041     | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.51         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 10.198                              | 0.000 | 8    | 1          | 1            | 1 |
| 378514       | PL.43649    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 10.132                              | 0.000 | 1    | 0          | 1            | 1 |
| 378511       | PL.43649    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.132                              | 0.000 | 0    | 0          | 0            | 0 |
| 378512       | PL.43649    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.47         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 10.132                              | 0.000 | 7    | 1          | 1            | 1 |
| 378501       | PL.18879    | A   | Consumer           | 15.11Y    | 126.0        | 0.00            | 0.05                     | 0.38         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 9.764                               | 0.000 | 6    | 1          | 1            | 1 |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 378414, 378415, PL.43665, etc.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PD.7631-B    | PL.41753    | A   | Open               | 15.12Y    | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.934                              | 0.000 | 0    | 0          | 0            | 0  |
|              |             | B   |                    | 15.12Y    | 126.0        | 0.00            | 0.00                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
| 379618       | PL.23042    | B   | Consumer           | 15.12Y    | 126.0        | 0.00            | 0.00                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.789                              | 0.000 | 0    | 0          | 0            | 0  |
| 379511       | PL.23042    | B   | Consumer           | 15.12Y    | 126.0        | 0.00            | 0.00                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.789                              | 0.000 | 0    | 0          | 1            | 1  |
| 379514       | PL.23042    | B   | Consumer           | 15.12Y    | 126.0        | 0.00            | 0.00                     | 0.25         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 10.789                              | 0.000 | 4    | 0          | 1            | 1  |
| PL.21311     | PL.23046    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 3.66         | 2        | 55         | 6       | 99         | 0.00      | 0.0               | 10.584                              | 0.021 | 0    | 0          | 0            | 10 |
| PD.3087      | PL.21311    | C   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 3.66         | 62       | 55         | 6       | 99         | 0.00      | 0.0               | 10.584                              | 0.000 | 0    | 0          | 0            | 10 |
| PL.21312     | PD.3087     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.01            | 0.12                     | 3.66         | 2        | 55         | 6       | 99         | 0.00      | 0.0               | 10.666                              | 0.082 | 0    | 0          | 0            | 10 |
| PL.23043     | PL.21312    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 2.32         | 1        | 35         | 4       | 99         | 0.00      | 0.0               | 10.673                              | 0.006 | 0    | 0          | 0            | 5  |
| PL.22428     | PL.23043    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 2.32         | 1        | 35         | 4       | 99         | 0.00      | 0.0               | 10.774                              | 0.101 | 0    | 0          | 0            | 5  |
| PL.22425     | PL.22428    | C   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.46         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 10.903                              | 0.129 | 0    | 0          | 0            | 1  |
| 379512       | PL.22425    | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.46         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 10.903                              | 0.000 | 7    | 1          | 1            | 1  |
| PL.23044     | PL.22428    | C   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 1.09         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 10.803                              | 0.029 | 0    | 0          | 0            | 3  |
| PL.23045     | PL.23044    | C   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 10.850                              | 0.048 | 0    | 0          | 0            | 2  |
| 379518       | PL.23045    | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.43         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 10.850                              | 0.000 | 6    | 1          | 1            | 1  |
| 379506       | PL.23045    | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.15         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 10.850                              | 0.000 | 2    | 0          | 1            | 1  |
| PL.21189     | PL.23044    | C   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.51         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 10.861                              | 0.058 | 0    | 0          | 0            | 1  |
| 379519       | PL.21189    | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.51         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 10.861                              | 0.000 | 8    | 1          | 1            | 1  |
| PL.22426     | PL.22428    | C   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.78         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 10.835                              | 0.061 | 0    | 0          | 0            | 1  |
| PL.22427     | PL.22426    | C   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.78         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 10.943                              | 0.108 | 0    | 0          | 0            | 1  |
| 379516       | PL.22427    | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.78         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 10.943                              | 0.000 | 12   | 1          | 1            | 1  |
| 379510       | PL.21312    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.666                              | 0.000 | 0    | 0          | 1            | 1  |
| 379515       | PL.21312    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.23         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 10.666                              | 0.000 | 3    | 0          | 1            | 1  |
| PL.22429     | PL.21312    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 1.08         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 10.741                              | 0.075 | 0    | 0          | 0            | 3  |
| PL.22430     | PL.22429    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 1.08         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 10.837                              | 0.095 | 0    | 0          | 0            | 3  |
| 379513       | PL.22430    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 10.837                              | 0.000 | 5    | 1          | 1            | 1  |
| 379508       | PL.22430    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.19         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 10.837                              | 0.000 | 3    | 0          | 1            | 1  |
| 379507       | PL.22430    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.54         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 10.837                              | 0.000 | 8    | 1          | 1            | 1  |
| PL.45612     | PL.22429    | C   | 2ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.802                              | 0.061 | 0    | 0          | 0            | 0  |
| 3795035      | PL.45612    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.802                              | 0.000 | 0    | 0          | 0            | 0  |
| PL.1799      | PL.14875    | A   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | 0.02                     | 0.77         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 10.301                              | 0.039 | 0    | 0          | 0            | 1  |
| 379531       | PL.1799     | A   | Consumer           | 15.12Y    | 126.0        | 0.00            | 0.02                     | 0.77         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 10.301                              | 0.000 | 12   | 1          | 1            | 1  |
| PL.17200     | PL.14874    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 3.78         | 2        | 57         | 6       | 99         | 0.00      | 0.0               | 10.159                              | 0.024 | 0    | 0          | 0            | 9  |
| PD.1175      | PL.17200    | C   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 3.78         | 65       | 57         | 6       | 99         | 0.00      | 0.0               | 10.159                              | 0.000 | 0    | 0          | 0            | 9  |
| PL.17201     | PD.1175     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.01            | 0.10                     | 3.78         | 2        | 57         | 6       | 99         | 0.00      | 0.0               | 10.236                              | 0.078 | 0    | 0          | 0            | 9  |
| 379522       | PL.17201    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.236                              | 0.000 | 0    | 0          | 1            | 1  |
| PL.23992     | PL.17201    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 3.78         | 2        | 57         | 6       | 99         | 0.00      | 0.0               | 10.275                              | 0.038 | 0    | 0          | 0            | 8  |
| PL.23993     | PL.23992    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 2.72         | 1        | 41         | 4       | 100        | 0.00      | 0.0               | 10.320                              | 0.045 | 0    | 0          | 0            | 6  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.23994     | PL.23993    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.70         | 1        | 25         | 3       | 99         | 0.00      | 0.0               | 10.365                              | 0.045 | 0    | 0          | 0            | 4 |
| PL.19478     | PL.23994    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.41         | 1        | 21         | 2       | 100        | 0.00      | 0.0               | 10.404                              | 0.039 | 0    | 0          | 0            | 3 |
| 379524       | PL.19478    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 10.404                              | 0.000 | 8    | 1          | 1            | 1 |
| 379525       | PL.19478    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.41         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 10.404                              | 0.000 | 6    | 1          | 1            | 1 |
| PL.19479     | PL.19478    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 10.436                              | 0.032 | 0    | 0          | 0            | 1 |
| 379523       | PL.19479    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 10.436                              | 0.000 | 7    | 1          | 1            | 1 |
| 379526       | PL.23994    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.28         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 10.365                              | 0.000 | 4    | 0          | 1            | 1 |
| 379528       | PL.23993    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.50         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 10.320                              | 0.000 | 7    | 1          | 1            | 1 |
| 379527       | PL.23993    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.52         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 10.320                              | 0.000 | 8    | 1          | 1            | 1 |
| 379529       | PL.23992    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.54         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 10.275                              | 0.000 | 8    | 1          | 1            | 1 |
| 379530       | PL.23992    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.52         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 10.275                              | 0.000 | 8    | 1          | 1            | 1 |
| 379501       | PL.14874    | B   | Consumer           | 15.12Y    | 126.0        | 0.00            | -0.00                    | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.134                              | 0.000 | 0    | 0          | 0            | 0 |
| PL.18591     | PL.43668    | B   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | -0.01                    | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.855                               | 0.006 | 0    | 0          | 0            | 1 |
| PD.1174      | PL.18591    | B   | fuse6AMP           | 15.12Y    | 126.0        | 0.00            | -0.01                    | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.855                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.18592     | PD.1174     | B   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | -0.01                    | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.915                               | 0.060 | 0    | 0          | 0            | 1 |
| 379521       | PL.18592    | B   | Consumer           | 15.12Y    | 126.0        | 0.00            | -0.01                    | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.915                               | 0.000 | 0    | 0          | 1            | 1 |
| 378412       | PL.14418    | B   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.33                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.005                               | 0.000 | 0    | 0          | 1            | 1 |
| 378403       | PL.19277    | B   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.34                     | 0.64         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 8.596                               | 0.000 | 10   | 1          | 1            | 1 |
| 378404       | PL.19719    | B   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.33                     | 0.11         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.179                               | 0.000 | 2    | 0          | 1            | 1 |
| 378417       | PL.19719    | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.179                               | 0.000 | 2    | 0          | 1            | 1 |
| 378420       | PL.19719    | B   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.33                     | 0.47         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 8.179                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.2026      | PL.14423    | A   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.100                               | 0.028 | 0    | 0          | 0            | 0 |
| PL.2039      | PL.2026     | A   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.102                               | 0.002 | 0    | 0          | 0            | 0 |
| PL.16044     | PL.2026     | A   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.113                               | 0.013 | 0    | 0          | 0            | 0 |
| PD.830       | PL.16044    | A   | fuse6AMP           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.113                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.16045     | PD.830      | A   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.216                               | 0.103 | 0    | 0          | 0            | 0 |
| PL.2044      | PL.16045    | A   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.282                               | 0.066 | 0    | 0          | 0            | 0 |
| 378426       | PL.2044     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.282                               | 0.000 | 0    | 0          | 0            | 0 |
| 378312       | PL.14423    | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.073                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.16046     | PL.14422    | A   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 1.02         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 8.021                               | 0.015 | 0    | 0          | 0            | 2 |
| PD.1129      | PL.16046    | A   | fuse6AMP           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 1.02         | 17       | 15         | 2       | 99         | 0.00      | 0.0               | 8.021                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.15977     | PD.1129     | A   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 1.02         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 8.110                               | 0.089 | 0    | 0          | 0            | 2 |
| PL.2038      | PL.15977    | A   | 4ACSR              | 15.07Y    | 125.6        | -0.00           | 0.41                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.144                               | 0.034 | 0    | 0          | 0            | 1 |
| 378313       | PL.2038     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.144                               | 0.000 | 0    | 0          | 1            | 1 |
| 378411       | PL.15977    | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 1.01         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 8.110                               | 0.000 | 15   | 2          | 1            | 1 |
| 379327       | PL.20656    | A   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.34                     | 1.06         | 0        | 16         | 2       | 99         | 0.00      | 0.0               | 7.512                               | 0.000 | 16   | 2          | 1            | 1 |
| PL.16290     | PL.26339    | B   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.60         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 7.434                               | 0.012 | 0    | 0          | 0            | 4 |
| PD.1131      | PL.16290    | B   | fuse6AMP           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.60         | 10       | 9          | 1       | 99         | 0.00      | 0.0               | 7.434                               | 0.000 | 0    | 0          | 0            | 4 |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.42252     | PD.7668-B   | C   | 4ACSR              | 15.08Y    | 125.7        | 0.01            | 0.30                     | 3.97         | 2        | 60         | 6    | 100     | 0.00       | 0.0               | 5.877                               | 0.085 | 0    | 0          | 0            | 11        |
| PD.7669      | PL.42252    | C   | 25E                | 15.08Y    | 125.7        | 0.00            | 0.30                     | 3.97         | 16       | 60         | 6    | 100     | 0.00       | 0.0               | 5.877                               | 0.000 | 0    | 0          | 0            | 11        |
| PL.42253     | PD.7669     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30                     | 3.97         | 2        | 60         | 6    | 100     | 0.00       | 0.0               | 5.908                               | 0.031 | 0    | 0          | 0            | 11        |
| PL.5089      | PL.42253    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.01            | 0.31                     | 3.97         | 2        | 60         | 6    | 100     | 0.00       | 0.0               | 5.996                               | 0.088 | 0    | 0          | 0            | 11        |
| PL.14804     | PL.5089     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.01            | 0.32                     | 3.97         | 2        | 60         | 6    | 100     | 0.00       | 0.0               | 6.118                               | 0.122 | 0    | 0          | 0            | 11        |
| PL.42256     | PL.14804    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.32                     | 3.56         | 2        | 53         | 6    | 99      | 0.00       | 0.0               | 6.168                               | 0.051 | 0    | 0          | 0            | 9         |
| PD.7671-A    | PL.42256    | C   | Closed             | 15.08Y    | 125.7        | 0.00            | 0.32                     | 3.56         | 0        | 53         | 6    | 99      | 0.00       | 0.0               | 6.168                               | 0.000 | 0    | 0          | 0            | 9         |
| PD.7671-B    | PD.7671-A   | C   | Closed             | 15.08Y    | 125.7        | 0.00            | 0.32                     | 3.56         | 0        | 53         | 6    | 99      | 0.00       | 0.0               | 6.168                               | 0.000 | 0    | 0          | 0            | 9         |
| PL.42257     | PD.7671-B   | C   | 4ACSR              | 15.08Y    | 125.6        | 0.03            | 0.35                     | 3.56         | 2        | 53         | 6    | 99      | 0.01       | 0.0               | 6.584                               | 0.416 | 0    | 0          | 0            | 9         |
| PL.14806     | PL.42257    | C   | 4ACSR              | 15.08Y    | 125.6        | 0.01            | 0.36                     | 3.56         | 2        | 53         | 6    | 99      | 0.00       | 0.0               | 6.712                               | 0.128 | 0    | 0          | 0            | 9         |
| PL.14807     | PL.14806    | C   | 4ACSR              | 15.08Y    | 125.6        | 0.00            | 0.36                     | 3.56         | 2        | 53         | 6    | 99      | 0.00       | 0.0               | 6.713                               | 0.001 | 0    | 0          | 0            | 9         |
| PL.18180     | PL.14807    | C   | 4ACSR              | 15.08Y    | 125.6        | 0.00            | 0.36                     | 3.39         | 2        | 51         | 5    | 100     | 0.00       | 0.0               | 6.726                               | 0.013 | 0    | 0          | 0            | 7         |
| PD.1375      | PL.18180    | C   | fuse6AMP           | 15.08Y    | 125.6        | 0.00            | 0.36                     | 3.39         | 58       | 51         | 5    | 100     | 0.00       | 0.0               | 6.726                               | 0.000 | 0    | 0          | 0            | 7         |
| PL.18181     | PD.1375     | C   | 4ACSR              | 15.08Y    | 125.6        | 0.01            | 0.37                     | 3.39         | 2        | 51         | 5    | 100     | 0.00       | 0.0               | 6.881                               | 0.154 | 0    | 0          | 0            | 7         |
| PL.27553     | PL.18181    | C   | 4ACSR              | 15.08Y    | 125.6        | 0.00            | 0.37                     | 0.52         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 6.904                               | 0.023 | 0    | 0          | 0            | 3         |
| PD.1376      | PL.27553    | C   | fuse6AMP           | 15.08Y    | 125.6        | 0.00            | 0.37                     | 0.52         | 9        | 8          | 1    | 99      | 0.00       | 0.0               | 6.904                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.27554     | PD.1376     | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.52         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 7.260                               | 0.356 | 0    | 0          | 0            | 3         |
| PL.24709     | PL.27554    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.17         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 7.351                               | 0.090 | 0    | 0          | 0            | 2         |
| PL.15462     | PL.24709    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.17         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 7.369                               | 0.018 | 0    | 0          | 0            | 2         |
| PD.1377      | PL.15462    | C   | fuse6AMP           | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.17         | 3        | 3          | 0    | 100     | 0.00       | 0.0               | 7.369                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.15403     | PD.1377     | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.17         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 7.505                               | 0.136 | 0    | 0          | 0            | 2         |
| PL.1611      | PL.15403    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.555                               | 0.051 | 0    | 0          | 0            | 1         |
| 431205       | PL.1611     | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.555                               | 0.000 | 0    | 0          | 1            | 1         |
| 431204       | PL.15403    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.17         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 7.505                               | 0.000 | 3    | 0          | 1            | 1         |
| 431203       | PL.27554    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.35         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 7.260                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.14808     | PL.18181    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.38                     | 2.87         | 1        | 43         | 4    | 100     | 0.00       | 0.0               | 6.960                               | 0.080 | 0    | 0          | 0            | 4         |
| 431303       | PL.14808    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.960                               | 0.000 | 0    | 0          | 0            | 0         |
| 430306       | PL.14808    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.64         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 6.960                               | 0.000 | 10   | 1          | 1            | 1         |
| 430307       | PL.14808    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.27         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 6.960                               | 0.000 | 4    | 0          | 1            | 1         |
| PL.14809     | PL.14808    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.38                     | 1.96         | 1        | 29         | 3    | 99      | 0.00       | 0.0               | 7.068                               | 0.108 | 0    | 0          | 0            | 2         |
| 430305       | PL.14809    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.38                     | 1.35         | 0        | 20         | 2    | 100     | 0.00       | 0.0               | 7.068                               | 0.000 | 20   | 2          | 1            | 1         |
| 430303       | PL.14809    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.61         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 7.068                               | 0.000 | 9    | 1          | 1            | 1         |
| 431302       | PL.14809    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.38                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.068                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.27705     | PL.14807    | C   | 4ACSR              | 15.08Y    | 125.6        | 0.00            | 0.36                     | 0.17         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 6.723                               | 0.010 | 0    | 0          | 0            | 2         |
| PD.323-A     | PL.27705    | C   | Closed             | 15.08Y    | 125.6        | 0.00            | 0.36                     | 0.17         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 6.723                               | 0.000 | 0    | 0          | 0            | 2         |
| PD.323-B     | PD.323-A    | C   | Closed             | 15.08Y    | 125.6        | 0.00            | 0.36                     | 0.17         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 6.723                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.27706     | PD.323-B    | C   | 4ACSR              | 15.08Y    | 125.6        | 0.00            | 0.36                     | 0.17         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 6.810                               | 0.087 | 0    | 0          | 0            | 2         |
| PL.1612      | PL.27706    | C   | 4ACSR              | 15.08Y    | 125.6        | 0.00            | 0.36                     | 0.16         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 6.890                               | 0.080 | 0    | 0          | 0            | 1         |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and '-Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| PL.45193     | PL.39712    | B   | 2ACSR              | 15.01Y    | 125.1        | 0.00            | 0.94                     | 39.34        | 15       | 588        | 54      | 100        | 0.02      | 0.0               | 2.535                               | 0.007 | 0    | 0          | 0            | 109 |
| PD.6926      | PL.45193    | B   | 50E                | 15.01Y    | 125.1        | 0.00            | 0.94                     | 39.34        | 79       | 588        | 54      | 100        | 0.00      | 0.0               | 2.535                               | 0.000 | 0    | 0          | 0            | 109 |
| PL.45192     | PD.6926     | B   | 2ACSR              | 15.00Y    | 125.0        | 0.06            | 1.00                     | 39.34        | 15       | 588        | 54      | 100        | 0.29      | 0.0               | 2.651                               | 0.116 | 0    | 0          | 0            | 109 |
| PL.42924     | PL.45192    | B   | 2ACSR              | 15.00Y    | 125.0        | 0.00            | 1.00                     | 1.49         | 1        | 22         | 2       | 100        | 0.00      | 0.0               | 2.658                               | 0.007 | 0    | 0          | 0            | 2   |
| PD.8183      | PL.42924    | B   | fuse6AMP           | 15.00Y    | 125.0        | 0.00            | 1.00                     | 1.49         | 25       | 22         | 2       | 100        | 0.00      | 0.0               | 2.658                               | 0.000 | 0    | 0          | 0            | 2   |
| PL.42925     | PD.8183     | B   | 2ACSR              | 15.00Y    | 125.0        | 0.00            | 1.01                     | 1.49         | 1        | 22         | 2       | 100        | 0.00      | 0.0               | 2.803                               | 0.145 | 0    | 0          | 0            | 2   |
| PL.39722     | PL.42925    | B   | 2ACSR              | 15.00Y    | 125.0        | 0.00            | 1.01                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.911                               | 0.108 | 0    | 0          | 0            | 0   |
| 4818083      | PL.39722    | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 1.01                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.911                               | 0.000 | 0    | 0          | 0            | 0   |
| 4818091      | PL.39722    | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 1.01                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.911                               | 0.000 | 0    | 0          | 0            | 0   |
| 481805       | PL.42925    | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 1.01                     | 0.86         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 2.803                               | 0.000 | 13   | 1          | 1            | 1   |
| 481814       | PL.42925    | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 1.01                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.803                               | 0.000 | 0    | 0          | 0            | 0   |
| 481871       | PL.42925    | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 1.01                     | 0.63         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.803                               | 0.000 | 9    | 1          | 1            | 1   |
| PL.14756     | PL.45192    | B   | 4ACSR              | 14.99Y    | 125.0        | 0.04            | 1.04                     | 35.72        | 18       | 534        | 48      | 100        | 0.18      | 0.0               | 2.708                               | 0.058 | 0    | 0          | 0            | 102 |
| PL.39767     | PL.14756    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.02            | 1.07                     | 35.72        | 18       | 533        | 48      | 100        | 0.09      | 0.0               | 2.738                               | 0.030 | 0    | 0          | 0            | 102 |
| PL.39341     | PL.39767    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.01            | 1.07                     | 35.72        | 18       | 533        | 48      | 100        | 0.02      | 0.0               | 2.747                               | 0.008 | 0    | 0          | 0            | 102 |
| PL.15771     | PL.39341    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 35.72        | 18       | 533        | 48      | 100        | 0.02      | 0.0               | 2.752                               | 0.005 | 0    | 0          | 0            | 102 |
| PL.15773     | PL.15771    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 1.94         | 1        | 29         | 3       | 99         | 0.00      | 0.0               | 2.761                               | 0.009 | 0    | 0          | 0            | 3   |
| PD.8184      | PL.15773    | B   | fuse6AMP           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 1.94         | 33       | 29         | 3       | 99         | 0.00      | 0.0               | 2.761                               | 0.000 | 0    | 0          | 0            | 3   |
| PL.37628     | PD.8184     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 1.94         | 1        | 29         | 3       | 99         | 0.00      | 0.0               | 2.803                               | 0.042 | 0    | 0          | 0            | 3   |
| PL.37629     | PL.37628    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.79         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 2.863                               | 0.060 | 0    | 0          | 0            | 1   |
| PL.3170      | PL.37629    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.79         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 2.930                               | 0.067 | 0    | 0          | 0            | 1   |
| 481828       | PL.3170     | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.79         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 2.930                               | 0.000 | 12   | 1          | 1            | 1   |
| PL.37627     | PL.37628    | B   | 2ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 1.14         | 0        | 17         | 2       | 99         | 0.00      | 0.0               | 2.839                               | 0.036 | 0    | 0          | 0            | 2   |
| 4818087      | PL.37627    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.27         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 2.839                               | 0.000 | 4    | 0          | 1            | 1   |
| 4818082      | PL.37627    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.87         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 2.839                               | 0.000 | 13   | 1          | 1            | 1   |
| 481833       | PL.15771    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.52         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.752                               | 0.000 | 8    | 1          | 1            | 1   |
| 481846       | PL.15771    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.752                               | 0.000 | 9    | 1          | 1            | 1   |
| PL.14758     | PL.15771    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.03            | 1.11                     | 32.66        | 17       | 488        | 43      | 100        | 0.13      | 0.0               | 2.802                               | 0.051 | 0    | 0          | 0            | 97  |
| PL.14757     | PL.14758    | B   | 4ACSR              | 14.98Y    | 124.9        | 0.04            | 1.15                     | 31.60        | 16       | 472        | 42      | 100        | 0.14      | 0.0               | 2.860                               | 0.058 | 0    | 0          | 0            | 95  |
| 481839       | PL.14757    | B   | Consumer           | 14.98Y    | 124.9        | 0.00            | 1.15                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.860                               | 0.000 | 1    | 0          | 1            | 1   |
| PL.14763     | PL.14757    | B   | 4ACSR              | 14.98Y    | 124.8        | 0.02            | 1.17                     | 31.50        | 16       | 470        | 41      | 100        | 0.08      | 0.0               | 2.896                               | 0.035 | 0    | 0          | 0            | 94  |
| PL.14765     | PL.14763    | B   | 4ACSR              | 14.97Y    | 124.8        | 0.04            | 1.21                     | 28.97        | 15       | 432        | 37      | 100        | 0.13      | 0.0               | 2.963                               | 0.067 | 0    | 0          | 0            | 86  |
| PL.14764     | PL.14765    | B   | 4ACSR              | 14.97Y    | 124.7        | 0.05            | 1.26                     | 22.25        | 11       | 332        | 27      | 100        | 0.12      | 0.0               | 3.061                               | 0.099 | 0    | 0          | 0            | 70  |
| 481815       | PL.14764    | B   | Consumer           | 14.97Y    | 124.7        | 0.00            | 1.26                     | 1.04         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 3.061                               | 0.000 | 15   | 2          | 1            | 1   |
| PL.7085      | PL.14764    | B   | 4ACSR              | 14.96Y    | 124.7        | 0.06            | 1.32                     | 21.22        | 11       | 317        | 25      | 100        | 0.14      | 0.0               | 3.187                               | 0.126 | 0    | 0          | 0            | 69  |
| PL.29490     | PL.7085     | B   | 1/0EPRJCN          | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.56         | 0        | 5          | -7      | -58        | 0.00      | 0.0               | 3.191                               | 0.004 | 0    | 0          | 0            | 4   |
| PD.439-A     | PL.29490    | B   | Closed             | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.56         | 0        | 5          | -7      | -58        | 0.00      | 0.0               | 3.191                               | 0.000 | 0    | 0          | 0            | 4   |
| PD.439-B     | PD.439-A    | B   | Closed             | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.56         | 0        | 5          | -7      | -58        | 0.00      | 0.0               | 3.191                               | 0.000 | 0    | 0          | 0            | 4   |



Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.29491     | PD.439-B    | B   | 1/0EPRJCN          | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.56         | 0        | 5          | -7   | -58     | 0.00       | 0.0               | 3.214                               | 0.023 | 0    | 0          | 0            | 4         |
| PL.29331     | PL.29491    | B   | 1/0EPRJCN          | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.54         | 0        | 5          | -7   | -58     | 0.00       | 0.0               | 3.246                               | 0.032 | 0    | 0          | 0            | 4         |
| PL.29329     | PL.29331    | B   | 1/0EPRJCN          | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.50         | 0        | 5          | -6   | -64     | 0.00       | 0.0               | 3.277                               | 0.030 | 0    | 0          | 0            | 4         |
| PL.29330     | PL.29329    | B   | 1/0EPRJCN          | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.47         | 0        | 5          | -5   | -71     | 0.00       | 0.0               | 3.320                               | 0.044 | 0    | 0          | 0            | 4         |
| PL.29328     | PL.29330    | B   | 1/0EPRJCN          | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.43         | 0        | 5          | -5   | -71     | 0.00       | 0.0               | 3.364                               | 0.044 | 0    | 0          | 0            | 4         |
| PL.29324     | PL.29328    | B   | 1/0EPRJCN          | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.40         | 0        | 5          | -4   | -78     | 0.00       | 0.0               | 3.441                               | 0.077 | 0    | 0          | 0            | 4         |
| 481811       | PL.29324    | B   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.20         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 3.441                               | 0.000 | 3    | 0          | 1            | 1         |
| 481850       | PL.29324    | B   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.07         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.441                               | 0.000 | 1    | 0          | 1            | 1         |
| 481852       | PL.29324    | B   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.04         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.441                               | 0.000 | 1    | 0          | 1            | 1         |
| 481853       | PL.29324    | B   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.441                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.29325     | PL.29324    | B   | 1/0EPRJCN          | 14.96Y    | 124.7        | -0.00           | 1.32                     | -0.19        | 0        | 0          | -3   | 0       | 0.00       | 0.0               | 3.495                               | 0.053 | 0    | 0          | 0            | 0         |
| PL.29326     | PL.29325    | B   | 1/0EPRJCN          | 14.96Y    | 124.7        | -0.00           | 1.32                     | -0.12        | 0        | 0          | -2   | 0       | 0.00       | 0.0               | 3.551                               | 0.056 | 0    | 0          | 0            | 0         |
| PL.30839     | PL.29326    | B   | 1/0EPRJCN          | 14.96Y    | 124.7        | -0.00           | 1.32                     | -0.05        | 0        | 0          | -1   | 0       | 0.00       | 0.0               | 3.591                               | 0.041 | 0    | 0          | 0            | 0         |
| PD.1719-B    | PL.30839    | B   | Open               | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.591                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.15167     | PL.7085     | B   | 4ACSR              | 14.96Y    | 124.7        | 0.01            | 1.32                     | 20.95        | 11       | 312        | 32   | 99      | 0.02       | 0.0               | 3.205                               | 0.018 | 0    | 0          | 0            | 65        |
| PL.15453     | PL.15167    | B   | 4ACSR              | 14.94Y    | 124.5        | 0.19            | 1.51                     | 20.95        | 11       | 312        | 32   | 99      | 0.44       | 0.1               | 3.627                               | 0.422 | 0    | 0          | 0            | 65        |
| PD.440-A     | PL.15453    | B   | Closed             | 14.94Y    | 124.5        | 0.00            | 1.51                     | 20.95        | 0        | 311        | 32   | 99      | 0.00       | 0.0               | 3.627                               | 0.000 | 0    | 0          | 0            | 65        |
| PD.440-B     | PD.440-A    | B   | Closed             | 14.94Y    | 124.5        | 0.00            | 1.51                     | 20.95        | 0        | 311        | 32   | 99      | 0.00       | 0.0               | 3.627                               | 0.000 | 0    | 0          | 0            | 65        |
| PL.15293     | PD.440-B    | B   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.51                     | 20.95        | 11       | 311        | 32   | 99      | 0.01       | 0.0               | 3.635                               | 0.008 | 0    | 0          | 0            | 65        |
| PL.7105      | PL.15293    | B   | 4ACSR              | 14.94Y    | 124.5        | 0.02            | 1.53                     | 20.95        | 11       | 311        | 32   | 99      | 0.05       | 0.0               | 3.682                               | 0.047 | 0    | 0          | 0            | 65        |
| 482814       | PL.7105     | B   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.53                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.682                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.20048     | PL.7105     | B   | 4ACSR              | 14.93Y    | 124.4        | 0.02            | 1.56                     | 20.51        | 11       | 305        | 31   | 99      | 0.05       | 0.0               | 3.734                               | 0.052 | 0    | 0          | 0            | 64        |
| 482804       | PL.20048    | B   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.734                               | 0.000 | 0    | 0          | 0            | 0         |
| 482812       | PL.20048    | B   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.734                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.20049     | PL.20048    | B   | 4ACSR              | 14.92Y    | 124.4        | 0.08            | 1.63                     | 20.51        | 11       | 305        | 31   | 99      | 0.18       | 0.1               | 3.909                               | 0.175 | 0    | 0          | 0            | 64        |
| PL.26753     | PL.20049    | B   | 4ACSR              | 14.92Y    | 124.3        | 0.06            | 1.69                     | 20.27        | 10       | 301        | 31   | 99      | 0.13       | 0.0               | 4.041                               | 0.132 | 0    | 0          | 0            | 62        |
| PL.15533     | PL.26753    | B   | 4ACSR              | 14.91Y    | 124.2        | 0.10            | 1.79                     | 20.14        | 10       | 299        | 30   | 100     | 0.24       | 0.1               | 4.286                               | 0.245 | 0    | 0          | 0            | 59        |
| PL.27649     | PL.15533    | B   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.79                     | 14.79        | 8        | 219        | 29   | 99      | 0.00       | 0.0               | 4.290                               | 0.004 | 0    | 0          | 0            | 44        |
| 482904       | PL.27649    | B   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.79                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.290                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.45944     | PL.27649    | B   | 4ACSR              | 14.90Y    | 124.2        | 0.02            | 1.81                     | 14.78        | 8        | 218        | 29   | 99      | 0.03       | 0.0               | 4.342                               | 0.052 | 0    | 0          | 0            | 43        |
| PD.8694-A    | PL.45944    | B   | Closed             | 14.90Y    | 124.2        | 0.00            | 1.81                     | 14.78        | 0        | 218        | 29   | 99      | 0.00       | 0.0               | 4.342                               | 0.000 | 0    | 0          | 0            | 43        |
| PD.8694-B    | PD.8694-A   | B   | Closed             | 14.90Y    | 124.2        | 0.00            | 1.81                     | 14.78        | 0        | 218        | 29   | 99      | 0.00       | 0.0               | 4.342                               | 0.000 | 0    | 0          | 0            | 43        |
| PL.45945     | PD.8694-B   | B   | 4ACSR              | 14.90Y    | 124.2        | 0.01            | 1.82                     | 14.78        | 8        | 218        | 29   | 99      | 0.01       | 0.0               | 4.370                               | 0.029 | 0    | 0          | 0            | 43        |
| 4829050      | PL.45945    | B   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.82                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.370                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.27989     | PL.45945    | B   | 4ACSR              | 14.90Y    | 124.2        | 0.03            | 1.85                     | 14.78        | 8        | 218        | 29   | 99      | 0.05       | 0.0               | 4.469                               | 0.098 | 0    | 0          | 0            | 43        |
| PL.15454     | PL.27989    | B   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.85                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.469                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.15456     | PL.27989    | B   | 4ACSR              | 14.90Y    | 124.1        | 0.02            | 1.87                     | 14.78        | 8        | 218        | 29   | 99      | 0.03       | 0.0               | 4.520                               | 0.051 | 0    | 0          | 0            | 43        |
| PL.15457     | PL.15456    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.03            | 1.89                     | 14.46        | 7        | 214        | 28   | 99      | 0.05       | 0.0               | 4.616                               | 0.096 | 0    | 0          | 0            | 41        |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and '-Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 432212       | PL.15536    | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.92                     | 0.75         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 5.499                               | 0.000 | 11   | 1          | 1            | 1  |
| PL.3173      | PL.44700    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.91                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.160                               | 0.035 | 0    | 0          | 0            | 0  |
| 482929       | PL.3173     | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.91                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.160                               | 0.000 | 0    | 0          | 0            | 0  |
| 482910       | PL.14799    | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.91                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.815                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.7080      | PL.15457    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.02            | 1.91                     | 9.00         | 5        | 133        | 20      | 99         | 0.02      | 0.0               | 4.720                               | 0.104 | 0    | 0          | 0            | 29 |
| PL.14802     | PL.7080     | B   | 4ACSR              | 14.89Y    | 124.1        | 0.01            | 1.92                     | 8.08         | 4        | 119        | 18      | 99         | 0.01      | 0.0               | 4.771                               | 0.051 | 0    | 0          | 0            | 28 |
| PL.14803     | PL.14802    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.01            | 1.93                     | 7.41         | 4        | 109        | 17      | 99         | 0.00      | 0.0               | 4.807                               | 0.036 | 0    | 0          | 0            | 27 |
| PL.15458     | PL.14803    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.01            | 1.94                     | 4.05         | 2        | 60         | 6       | 100        | 0.00      | 0.0               | 4.876                               | 0.068 | 0    | 0          | 0            | 19 |
| PL.15459     | PL.15458    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.01            | 1.95                     | 3.57         | 2        | 53         | 5       | 100        | 0.00      | 0.0               | 5.024                               | 0.148 | 0    | 0          | 0            | 18 |
| PL.14796     | PL.15459    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.01            | 1.96                     | 3.57         | 2        | 53         | 5       | 100        | 0.01      | 0.0               | 5.191                               | 0.167 | 0    | 0          | 0            | 18 |
| PL.14800     | PL.14796    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.191                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.14797     | PL.14796    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.01            | 1.97                     | 3.53         | 2        | 52         | 5       | 100        | 0.00      | 0.0               | 5.326                               | 0.135 | 0    | 0          | 0            | 17 |
| PL.14793     | PL.14797    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.97                     | 0.83         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 5.408                               | 0.082 | 0    | 0          | 0            | 9  |
| PL.1621      | PL.14793    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.97                     | 0.35         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.493                               | 0.085 | 0    | 0          | 0            | 3  |
| 432208       | PL.1621     | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.97                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.493                               | 0.000 | 1    | 0          | 1            | 1  |
| 432211       | PL.1621     | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.97                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.493                               | 0.000 | 0    | 0          | 1            | 1  |
| 432207       | PL.1621     | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.97                     | 0.28         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 5.493                               | 0.000 | 4    | 0          | 1            | 1  |
| PL.15460     | PL.14793    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.97                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 5.824                               | 0.416 | 0    | 0          | 0            | 6  |
| PD.1374      | PL.15460    | B   | fuse6AMP           | 14.88Y    | 124.0        | 0.00            | 1.97                     | 0.48         | 8        | 7          | 1       | 99         | 0.00      | 0.0               | 5.824                               | 0.000 | 0    | 0          | 0            | 6  |
| PL.15461     | PD.1374     | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 5.876                               | 0.052 | 0    | 0          | 0            | 6  |
| PL.14792     | PL.15461    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.27         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 5.970                               | 0.095 | 0    | 0          | 0            | 4  |
| PL.14794     | PL.14792    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.27         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 6.133                               | 0.163 | 0    | 0          | 0            | 4  |
| PL.14795     | PL.14794    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.146                               | 0.013 | 0    | 0          | 0            | 2  |
| PL.14341     | PL.14795    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.304                               | 0.158 | 0    | 0          | 0            | 2  |
| 4323006      | PL.14341    | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.304                               | 0.000 | 0    | 0          | 1            | 1  |
| 432302       | PL.14341    | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.14         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.304                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.24708     | PL.14341    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.640                               | 0.335 | 0    | 0          | 0            | 0  |
| PL.14339     | PL.24708    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.723                               | 0.084 | 0    | 0          | 0            | 0  |
| PL.14340     | PL.14339    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.799                               | 0.075 | 0    | 0          | 0            | 0  |
| 433302       | PL.14340    | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.799                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.6426      | PL.14340    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.928                               | 0.130 | 0    | 0          | 0            | 0  |
| PL.6425      | PL.6426     | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.137                               | 0.209 | 0    | 0          | 0            | 0  |
| PL.2434      | PL.14339    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.996                               | 0.272 | 0    | 0          | 0            | 0  |
| PL.2433      | PL.2434     | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.188                               | 0.192 | 0    | 0          | 0            | 0  |
| PL.2432      | PL.2433     | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.485                               | 0.298 | 0    | 0          | 0            | 0  |
| PL.1618      | PL.14794    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.12         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.264                               | 0.131 | 0    | 0          | 0            | 2  |
| PL.1619      | PL.1618     | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.12         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.498                               | 0.234 | 0    | 0          | 0            | 2  |
| PL.1620      | PL.1619     | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.12         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.677                               | 0.179 | 0    | 0          | 0            | 2  |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 432304       | PL.1620     | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.12         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.677                               | 0.000 | 2    | 0          | 1            | 1 |
| 432305       | PL.1620     | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.677                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.1617      | PL.15461    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.21         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.946                               | 0.070 | 0    | 0          | 0            | 2 |
| 432218       | PL.1617     | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.946                               | 0.000 | 0    | 0          | 1            | 1 |
| 432216       | PL.1617     | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.18         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.946                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.20655     | PL.14797    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.97                     | 2.71         | 1        | 40         | 4       | 100        | 0.00      | 0.0               | 5.388                               | 0.062 | 0    | 0          | 0            | 8 |
| PL.21315     | PL.20655    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 2.48         | 1        | 37         | 4       | 99         | 0.00      | 0.0               | 5.444                               | 0.055 | 0    | 0          | 0            | 7 |
| 432214       | PL.21315    | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.87         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 5.444                               | 0.000 | 13   | 1          | 1            | 1 |
| 432215       | PL.21315    | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.444                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.21316     | PL.21315    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 1.61         | 1        | 24         | 2       | 100        | 0.00      | 0.0               | 5.520                               | 0.076 | 0    | 0          | 0            | 5 |
| PL.1616      | PL.21316    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 1.14         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 5.646                               | 0.126 | 0    | 0          | 0            | 4 |
| PL.1622      | PL.1616     | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 5.711                               | 0.065 | 0    | 0          | 0            | 1 |
| 432220       | PL.1622     | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 5.711                               | 0.000 | 9    | 1          | 1            | 1 |
| 432217       | PL.1616     | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.15         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.646                               | 0.000 | 2    | 0          | 1            | 1 |
| 432203       | PL.1616     | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.646                               | 0.000 | 1    | 0          | 1            | 1 |
| 4322021      | PL.1616     | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.646                               | 0.000 | 5    | 1          | 1            | 1 |
| 432201       | PL.21316    | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.98                     | 0.47         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 5.520                               | 0.000 | 7    | 1          | 1            | 1 |
| 432202       | PL.20655    | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.97                     | 0.23         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.388                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.45537     | PL.14796    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.96                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.203                               | 0.012 | 0    | 0          | 0            | 1 |
| PD.8665      | PL.45537    | B   | fuse6AMP           | 14.88Y    | 124.0        | 0.00            | 1.96                     | 0.04         | 1        | 1          | 0       | 100        | 0.00      | 0.0               | 5.203                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.45538     | PD.8665     | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.96                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.320                               | 0.117 | 0    | 0          | 0            | 1 |
| PL.19963     | PL.45538    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.575                               | 0.255 | 0    | 0          | 0            | 0 |
| PL.19964     | PL.19963    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 1.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.616                               | 0.041 | 0    | 0          | 0            | 0 |
| 431206       | PL.19964    | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.616                               | 0.000 | 0    | 0          | 0            | 0 |
| 432210       | PL.45538    | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 1.96                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.320                               | 0.000 | 1    | 0          | 1            | 1 |
| 482911       | PL.15458    | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.94                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.876                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.3166      | PL.14803    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.93                     | 3.37         | 2        | 49         | 11      | 98         | 0.00      | 0.0               | 4.865                               | 0.058 | 0    | 0          | 0            | 8 |
| PL.19009     | PL.3166     | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.94                     | 1.67         | 1        | 24         | 8       | 95         | 0.00      | 0.0               | 4.931                               | 0.066 | 0    | 0          | 0            | 5 |
| PL.19010     | PL.19009    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.94                     | 1.54         | 1        | 21         | 8       | 93         | 0.00      | 0.0               | 4.987                               | 0.056 | 0    | 0          | 0            | 3 |
| 4829054      | PL.19010    | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.94                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.987                               | 0.000 | 0    | 0          | 0            | 0 |
| 482944       | PL.19010    | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.94                     | 1.14         | 0        | 15         | 7       | 91         | 0.00      | 0.0               | 4.987                               | 0.000 | 15   | 7          | 1            | 1 |
| 482932       | PL.19010    | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.94                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.987                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.35617     | PL.19010    | B   | 2ACSR              | 14.89Y    | 124.1        | 0.00            | 1.94                     | 0.38         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.128                               | 0.141 | 0    | 0          | 0            | 1 |
| 4819008      | PL.35617    | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.94                     | 0.38         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.128                               | 0.000 | 6    | 1          | 1            | 1 |
| 482935       | PL.19009    | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.94                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.931                               | 0.000 | 0    | 0          | 1            | 1 |
| 482934       | PL.19009    | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.94                     | 0.12         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.931                               | 0.000 | 2    | 0          | 1            | 1 |
| 482933       | PL.3166     | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.93                     | 0.73         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 4.865                               | 0.000 | 11   | 1          | 1            | 1 |
| 4829049      | PL.3166     | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.93                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.865                               | 0.000 | 7    | 1          | 1            | 1 |

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 483821       | PL.7142     | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.88                     | 0.92         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 5.417                               | 0.000 | 14   | 1          | 1            | 1 |
| PL.14324     | PL.7142     | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.88                     | 0.76         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 5.511                               | 0.093 | 0    | 0          | 0            | 4 |
| PL.45175     | PL.14324    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.89                     | 0.70         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 5.525                               | 0.015 | 0    | 0          | 0            | 3 |
| PD.8602      | PL.45175    | B   | fuse6AMP           | 14.89Y    | 124.1        | 0.00            | 1.89                     | 0.70         | 12       | 10         | 1       | 100        | 0.00      | 0.0               | 5.525                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.45176     | PD.8602     | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.89                     | 0.70         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 5.603                               | 0.078 | 0    | 0          | 0            | 3 |
| PL.2818      | PL.45176    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.89                     | 0.70         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 5.771                               | 0.167 | 0    | 0          | 0            | 3 |
| PL.2644      | PL.2818     | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.89                     | 0.70         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 5.832                               | 0.062 | 0    | 0          | 0            | 3 |
| 482801       | PL.2644     | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.89                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.832                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.2645      | PL.2644     | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.89                     | 0.67         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 6.052                               | 0.220 | 0    | 0          | 0            | 2 |
| PL.19474     | PL.2645     | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.89                     | 0.25         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 6.149                               | 0.097 | 0    | 0          | 0            | 1 |
| 482805       | PL.19474    | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.89                     | 0.25         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 6.149                               | 0.000 | 4    | 0          | 1            | 1 |
| PL.19475     | PL.19474    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.89                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.234                               | 0.085 | 0    | 0          | 0            | 0 |
| 482803       | PL.2645     | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.89                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.052                               | 0.000 | 0    | 0          | 0            | 0 |
| 482813       | PL.2645     | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.89                     | 0.42         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 6.052                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.2819      | PL.14324    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.88                     | 0.05         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.561                               | 0.050 | 0    | 0          | 0            | 1 |
| 483808       | PL.2819     | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.88                     | 0.05         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.561                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.15292     | PL.14324    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.88                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.633                               | 0.123 | 0    | 0          | 0            | 0 |
| PD.444-A     | PL.15292    | B   | Open               | 14.89Y    | 124.1        | 0.00            | 1.88                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.633                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.7074      | PL.14328    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.88                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.472                               | 0.069 | 0    | 0          | 0            | 2 |
| PL.7075      | PL.7074     | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.88                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.541                               | 0.069 | 0    | 0          | 0            | 1 |
| 482807       | PL.7075     | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.88                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.541                               | 0.000 | 0    | 0          | 1            | 1 |
| 482810       | PL.7074     | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.88                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.472                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.3157      | PL.3161     | B   | 4ACSR              | 14.90Y    | 124.1        | 0.00            | 1.87                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.247                               | 0.155 | 0    | 0          | 0            | 0 |
| 482918       | PL.3157     | B   | Consumer           | 14.90Y    | 124.1        | 0.00            | 1.87                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.247                               | 0.000 | 0    | 0          | 0            | 0 |
| 482945       | PL.3158     | B   | Consumer           | 14.90Y    | 124.1        | 0.00            | 1.86                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.994                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.15451     | PL.3158     | B   | 4ACSR              | 14.90Y    | 124.1        | 0.00            | 1.87                     | 1.38         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 5.108                               | 0.114 | 0    | 0          | 0            | 2 |
| PL.15452     | PL.15451    | B   | 4ACSR              | 14.90Y    | 124.1        | 0.00            | 1.87                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.164                               | 0.056 | 0    | 0          | 0            | 0 |
| PL.3160      | PL.15452    | B   | 4ACSR              | 14.90Y    | 124.1        | 0.00            | 1.87                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.212                               | 0.049 | 0    | 0          | 0            | 0 |
| 4829056      | PL.15452    | B   | Consumer           | 14.90Y    | 124.1        | 0.00            | 1.87                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.164                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.3159      | PL.15451    | B   | 4ACSR              | 14.90Y    | 124.1        | 0.00            | 1.87                     | 1.38         | 1        | 20         | 2       | 100        | 0.00      | 0.0               | 5.146                               | 0.038 | 0    | 0          | 0            | 2 |
| 482906       | PL.3159     | B   | Consumer           | 14.90Y    | 124.1        | 0.00            | 1.87                     | 0.85         | 0        | 13         | 1       | 100        | 0.00      | 0.0               | 5.146                               | 0.000 | 13   | 1          | 1            | 1 |
| 482903       | PL.3159     | B   | Consumer           | 14.90Y    | 124.1        | 0.00            | 1.87                     | 0.52         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 5.146                               | 0.000 | 8    | 1          | 1            | 1 |
| 482947       | PL.8610     | B   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.83                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.649                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.29893     | PL.8610     | B   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.83                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.704                               | 0.055 | 0    | 0          | 0            | 0 |
| 4829048      | PL.29893    | B   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.83                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.704                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.3167      | PL.26753    | B   | 4ACSR              | 14.92Y    | 124.3        | 0.00            | 1.69                     | 0.13         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.229                               | 0.188 | 0    | 0          | 0            | 3 |
| 481906       | PL.3167     | B   | Consumer           | 14.92Y    | 124.3        | 0.00            | 1.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.229                               | 0.000 | 0    | 0          | 1            | 1 |
| 481901       | PL.3167     | B   | Consumer           | 14.92Y    | 124.3        | 0.00            | 1.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.229                               | 0.000 | 0    | 0          | 0            | 0 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| 481907       | PL.3167     | B   | Consumer           | 14.92Y    | 124.3        | 0.00            | 1.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.229             | 0.000          | 0          | 0            | 1  | 1    |
| 481902       | PL.3167     | B   | Consumer           | 14.92Y    | 124.3        | 0.00            | 1.69                     | 0.13         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.229             | 0.000          | 2          | 0            | 1  | 1    |
| PL.7083      | PL.20049    | B   | 4ACSR              | 14.92Y    | 124.4        | 0.00            | 1.63                     | 0.24         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 4.169             | 0.261          | 0          | 0            | 0  | 2    |
| PL.7084      | PL.7083     | B   | 4ACSR              | 14.92Y    | 124.4        | 0.00            | 1.63                     | 0.24         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 4.217             | 0.048          | 0          | 0            | 0  | 2    |
| 481832       | PL.7084     | B   | Consumer           | 14.92Y    | 124.4        | 0.00            | 1.63                     | 0.24         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 4.217             | 0.000          | 4          | 0            | 1  | 1    |
| 481820       | PL.7084     | B   | Consumer           | 14.92Y    | 124.4        | 0.00            | 1.63                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.217             | 0.000          | 0          | 0            | 1  | 1    |
| 481851       | PL.7085     | B   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.187             | 0.000          | 0          | 0            | 0  | 0    |
| 481859       | PL.14765    | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.21                     | 0.26         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 2.963             | 0.000          | 4          | 0            | 1  | 1    |
| 481812       | PL.14765    | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.21                     | 0.10         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.963             | 0.000          | 1          | 0            | 1  | 1    |
| 481864       | PL.14765    | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.21                     | 0.70         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 2.963             | 0.000          | 10         | 1            | 1  | 1    |
| PL.14761     | PL.14765    | B   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.22                     | 5.66         | 3        | 84         | 9    | 99      | 0.00       | 0.0               | 2.976             | 0.013          | 0          | 0            | 0  | 13   |
| C PD.1724    | PL.14761    | B   | fuse6AMP           | 14.97Y    | 124.8        | 0.00            | 1.22                     | 5.66         | 97       | 84         | 9    | 99      | 0.00       | 0.0               | 2.976             | 0.000          | 0          | 0            | 0  | 13 C |
| PL.14762     | PD.1724     | B   | 4ACSR              | 14.97Y    | 124.8        | 0.02            | 1.23                     | 5.66         | 3        | 84         | 9    | 99      | 0.01       | 0.0               | 3.110             | 0.135          | 0          | 0            | 0  | 13   |
| PL.3171      | PL.14762    | B   | 4ACSR              | 14.97Y    | 124.8        | 0.01            | 1.24                     | 5.62         | 3        | 84         | 9    | 99      | 0.00       | 0.0               | 3.161             | 0.051          | 0          | 0            | 0  | 10   |
| 481842       | PL.3171     | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.24                     | 0.52         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 3.161             | 0.000          | 8          | 1            | 1  | 1    |
| PL.33941     | PL.3171     | B   | 4ACSR              | 14.97Y    | 124.8        | 0.01            | 1.24                     | 5.10         | 3        | 76         | 8    | 99      | 0.00       | 0.0               | 3.211             | 0.050          | 0          | 0            | 0  | 9    |
| PL.33939     | PL.33941    | B   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.25                     | 4.01         | 2        | 60         | 6    | 100     | 0.00       | 0.0               | 3.242             | 0.031          | 0          | 0            | 0  | 7    |
| PL.33940     | PL.33939    | B   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.25                     | 4.01         | 2        | 60         | 6    | 100     | 0.00       | 0.0               | 3.272             | 0.030          | 0          | 0            | 0  | 7    |
| PL.7098      | PL.33940    | B   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.25                     | 3.35         | 2        | 50         | 5    | 100     | 0.00       | 0.0               | 3.285             | 0.013          | 0          | 0            | 0  | 6    |
| 4818086      | PL.7098     | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.25                     | 0.49         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.285             | 0.000          | 7          | 1            | 1  | 1    |
| 4818089      | PL.7098     | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.25                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.285             | 0.000          | 0          | 0            | 0  | 0    |
| 481866       | PL.7098     | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.25                     | 0.69         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 3.285             | 0.000          | 10         | 1            | 1  | 1    |
| PL.7099      | PL.7098     | B   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.25                     | 2.16         | 1        | 32         | 3    | 100     | 0.00       | 0.0               | 3.301             | 0.016          | 0          | 0            | 0  | 4    |
| PL.39128     | PL.7099     | B   | 2ACSR              | 14.97Y    | 124.8        | 0.00            | 1.25                     | 0.41         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.339             | 0.039          | 0          | 0            | 0  | 1    |
| 4818084      | PL.39128    | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.25                     | 0.41         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.339             | 0.000          | 6          | 1            | 1  | 1    |
| 481868       | PL.7099     | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.25                     | 0.23         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 3.301             | 0.000          | 3          | 0            | 1  | 1    |
| 481879       | PL.7099     | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.25                     | 0.63         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 3.301             | 0.000          | 9          | 1            | 1  | 1    |
| 481865       | PL.7099     | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.25                     | 0.89         | 0        | 13         | 1    | 100     | 0.00       | 0.0               | 3.301             | 0.000          | 13         | 1            | 1  | 1    |
| 481862       | PL.33940    | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.25                     | 0.66         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 3.272             | 0.000          | 10         | 1            | 1  | 1    |
| 4818081      | PL.33941    | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.24                     | 0.69         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 3.211             | 0.000          | 10         | 1            | 1  | 1    |
| 4818090      | PL.33941    | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.24                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.211             | 0.000          | 0          | 0            | 0  | 0    |
| 481873       | PL.33941    | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.24                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.211             | 0.000          | 6          | 1            | 1  | 1    |
| PL.7094      | PL.14762    | B   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.23                     | 0.04         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.174             | 0.064          | 0          | 0            | 0  | 3    |
| PL.40449     | PL.7094     | B   | 2ACSR              | 14.97Y    | 124.8        | 0.00            | 1.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.218             | 0.043          | 0          | 0            | 0  | 1    |
| 4818088      | PL.40449    | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.218             | 0.000          | 0          | 0            | 1  | 1    |
| 481857       | PL.7094     | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.23                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.174             | 0.000          | 0          | 0            | 1  | 1    |
| PL.7095      | PL.7094     | B   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.23                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.248             | 0.074          | 0          | 0            | 0  | 1    |
| PL.7096      | PL.7095     | B   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.249             | 0.001          | 0          | 0            | 0  | 0    |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |           |             |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|-----------|-------------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>% | Thru<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| 481858       | PL.7095     | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.23                     | 0.03      | 0           | 0          | 0    | 100     | 0.00       | 0.0               | 3.248             | 0.000          | 0          | 0            | 1  | 1    |
| PL.18664     | PL.14763    | B   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.17                     | 2.53      | 1           | 38         | 4    | 99      | 0.00       | 0.0               | 2.914             | 0.019          | 0          | 0            | 0  | 8    |
| PD.1723      | PL.18664    | B   | fuse6AMP           | 14.98Y    | 124.8        | 0.00            | 1.17                     | 2.53      | 43          | 38         | 4    | 99      | 0.00       | 0.0               | 2.914             | 0.000          | 0          | 0            | 0  | 8    |
| PL.18665     | PD.1723     | B   | 4ACSR              | 14.98Y    | 124.8        | 0.02            | 1.19                     | 2.53      | 1           | 38         | 4    | 99      | 0.01       | 0.0               | 3.257             | 0.343          | 0          | 0            | 0  | 8    |
| PL.19248     | PL.18665    | B   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.20                     | 1.72      | 1           | 26         | 3    | 99      | 0.00       | 0.0               | 3.344             | 0.087          | 0          | 0            | 0  | 6    |
| 481867       | PL.19248    | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.20                     | 0.41      | 0           | 6          | 1    | 99      | 0.00       | 0.0               | 3.344             | 0.000          | 6          | 1            | 1  | 1    |
| PL.27793     | PL.19248    | B   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.20                     | 1.30      | 1           | 19         | 2    | 99      | 0.00       | 0.0               | 3.425             | 0.081          | 0          | 0            | 0  | 5    |
| PL.7081      | PL.27793    | B   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.20                     | 1.03      | 1           | 15         | 2    | 99      | 0.00       | 0.0               | 3.520             | 0.095          | 0          | 0            | 0  | 2    |
| 482811       | PL.7081     | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.20                     | 0.06      | 0           | 1          | 0    | 100     | 0.00       | 0.0               | 3.520             | 0.000          | 1          | 0            | 1  | 1    |
| 482809       | PL.7081     | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.20                     | 0.97      | 0           | 14         | 1    | 100     | 0.00       | 0.0               | 3.520             | 0.000          | 14         | 1            | 1  | 1    |
| 481843       | PL.27793    | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.20                     | 0.04      | 0           | 1          | 0    | 100     | 0.00       | 0.0               | 3.425             | 0.000          | 1          | 0            | 1  | 2    |
| 4818085      | 481843      | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.20                     | 0.00      | 0           | 0          | 0    | 100     | 0.00       | 0.0               | 3.425             | 0.000          | 0          | 0            | 1  | 1    |
| 481875       | PL.27793    | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.20                     | 0.24      | 0           | 4          | 0    | 100     | 0.00       | 0.0               | 3.425             | 0.000          | 4          | 0            | 1  | 1    |
| 481880       | PL.18665    | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.19                     | 0.78      | 0           | 12         | 1    | 100     | 0.00       | 0.0               | 3.257             | 0.000          | 12         | 1            | 1  | 1    |
| 481876       | PL.18665    | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.19                     | 0.04      | 0           | 1          | 0    | 100     | 0.00       | 0.0               | 3.257             | 0.000          | 1          | 0            | 1  | 1    |
| 481810       | PL.18665    | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.19                     | 0.00      | 0           | 0          | 0    | 100     | 0.00       | 0.0               | 3.257             | 0.000          | 0          | 0            | 0  | 0    |
| PL.7082      | PL.18665    | B   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.19                     | 0.00      | 0           | 0          | 0    | 100     | 0.00       | 0.0               | 3.356             | 0.099          | 0          | 0            | 0  | 0    |
| PD.1719-A    | PL.7082     | B   | Open               | 14.98Y    | 124.8        | 0.00            | 1.19                     | 0.00      | 0           | 0          | 0    | 100     | 0.00       | 0.0               | 3.356             | 0.000          | 0          | 0            | 0  | 0    |
| PL.14759     | PL.14758    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.11                     | 0.77      | 0           | 11         | 1    | 100     | 0.00       | 0.0               | 2.810             | 0.007          | 0          | 0            | 0  | 1    |
| PD.1722      | PL.14759    | B   | fuse6AMP           | 14.99Y    | 124.9        | 0.00            | 1.11                     | 0.77      | 13          | 11         | 1    | 100     | 0.00       | 0.0               | 2.810             | 0.000          | 0          | 0            | 0  | 1    |
| PL.14760     | PD.1722     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.11                     | 0.77      | 0           | 11         | 1    | 100     | 0.00       | 0.0               | 2.900             | 0.090          | 0          | 0            | 0  | 1    |
| 481855       | PL.14760    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.11                     | 0.77      | 0           | 11         | 1    | 100     | 0.00       | 0.0               | 2.900             | 0.000          | 11         | 1            | 1  | 1    |
| 481861       | PL.14758    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.11                     | 0.29      | 0           | 4          | 0    | 100     | 0.00       | 0.0               | 2.802             | 0.000          | 4          | 0            | 1  | 1    |
| PL.15768     | PL.45192    | B   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 1.00                     | 2.12      | 1           | 32         | 3    | 100     | 0.00       | 0.0               | 2.660             | 0.009          | 0          | 0            | 0  | 5    |
| PD.1717      | PL.15768    | B   | fuse6AMP           | 15.00Y    | 125.0        | 0.00            | 1.00                     | 2.12      | 36          | 32         | 3    | 100     | 0.00       | 0.0               | 2.660             | 0.000          | 0          | 0            | 0  | 5    |
| PL.15769     | PD.1717     | B   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 1.00                     | 1.39      | 1           | 21         | 2    | 100     | 0.00       | 0.0               | 2.716             | 0.056          | 0          | 0            | 0  | 3    |
| PL.7086      | PL.15769    | B   | 4/0ACSR            | 15.00Y    | 125.0        | 0.00            | 1.00                     | 1.39      | 0           | 21         | 2    | 100     | 0.00       | 0.0               | 2.716             | 0.000          | 0          | 0            | 0  | 3    |
| 481849       | PL.7086     | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 1.00                     | 0.40      | 0           | 6          | 1    | 99      | 0.00       | 0.0               | 2.716             | 0.000          | 6          | 1            | 1  | 1    |
| 481809       | PL.7086     | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 1.00                     | 0.17      | 0           | 3          | 0    | 100     | 0.00       | 0.0               | 2.716             | 0.000          | 3          | 0            | 1  | 1    |
| 481848       | PL.7086     | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 1.00                     | 0.82      | 0           | 12         | 1    | 100     | 0.00       | 0.0               | 2.716             | 0.000          | 12         | 1            | 1  | 1    |
| PL.42927     | PD.1717     | B   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 1.00                     | 0.73      | 0           | 11         | 1    | 100     | 0.00       | 0.0               | 2.717             | 0.057          | 0          | 0            | 0  | 2    |
| 481837       | PL.42927    | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 1.00                     | 0.71      | 0           | 11         | 1    | 100     | 0.00       | 0.0               | 2.717             | 0.000          | 11         | 1            | 1  | 1    |
| 481878       | PL.42927    | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 1.00                     | 0.02      | 0           | 0          | 0    | 100     | 0.00       | 0.0               | 2.717             | 0.000          | 0          | 0            | 1  | 1    |
| PL.39716     | PL.39712    | B   | 2ACSR              | 15.01Y    | 125.1        | 0.00            | 0.93                     | 0.00      | 0           | 0          | 0    | 100     | 0.00       | 0.0               | 2.533             | 0.005          | 0          | 0            | 0  | 0    |
| PL.39715     | PL.39703    | A   | 2ACSR              | 15.06Y    | 125.5        | 0.00            | 0.46                     | 3.55      | 1           | 53         | 6    | 99      | 0.00       | 0.0               | 2.535             | 0.011          | 0          | 0            | 0  | 8    |
| PD.7019      | PL.39715    | A   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.46                     | 3.55      | 61          | 53         | 6    | 99      | 0.00       | 0.0               | 2.535             | 0.000          | 0          | 0            | 0  | 8    |
| PL.39714     | PD.7019     | A   | 2ACSR              | 15.06Y    | 125.5        | 0.01            | 0.47                     | 3.55      | 1           | 53         | 6    | 99      | 0.00       | 0.0               | 2.633             | 0.098          | 0          | 0            | 0  | 8    |
| 481824       | PL.39714    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.34      | 0           | 5          | 1    | 98      | 0.00       | 0.0               | 2.633             | 0.000          | 5          | 1            | 1  | 1    |



Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 481806       | PL.39714    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.24         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 2.633                               | 0.000 | 4    | 0          | 1            | 1 |
| PL.18529     | PL.39714    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47                     | 2.98         | 2        | 45         | 5       | 99         | 0.00      | 0.0               | 2.646                               | 0.013 | 0    | 0          | 0            | 6 |
| PL.18528     | PL.18529    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47                     | 2.98         | 2        | 45         | 5       | 99         | 0.00      | 0.0               | 2.713                               | 0.066 | 0    | 0          | 0            | 6 |
| PL.14750     | PL.18528    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47                     | 1.67         | 1        | 25         | 3       | 99         | 0.00      | 0.0               | 2.785                               | 0.072 | 0    | 0          | 0            | 3 |
| PL.2632      | PL.14750    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.73         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 2.898                               | 0.113 | 0    | 0          | 0            | 1 |
| 481709       | PL.2632     | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.898                               | 0.000 | 0    | 0          | 0            | 0 |
| 481733       | PL.2632     | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.73         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 2.898                               | 0.000 | 11   | 1          | 1            | 1 |
| PL.2862      | PL.2632     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.900                               | 0.003 | 0    | 0          | 0            | 0 |
| PL.15147     | PL.14750    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.790                               | 0.005 | 0    | 0          | 0            | 0 |
| PD.437-B     | PL.15147    | A   | Open               | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.790                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.2631      | PL.14750    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.95         | 0        | 14         | 1       | 100        | 0.00      | 0.0               | 2.901                               | 0.116 | 0    | 0          | 0            | 2 |
| 481823       | PL.2631     | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.50         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.901                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.3172      | PL.2631     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.44         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.972                               | 0.072 | 0    | 0          | 0            | 1 |
| 480812       | PL.3172     | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.44         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.972                               | 0.000 | 7    | 1          | 1            | 1 |
| 481856       | PL.18528    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.713                               | 0.000 | 9    | 1          | 1            | 1 |
| 481844       | PL.18528    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.20         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.713                               | 0.000 | 3    | 0          | 1            | 1 |
| 481834       | PL.18528    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.52         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.713                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.39708     | PL.39697    | A   | 2ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.54         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.081                               | 0.004 | 0    | 0          | 0            | 2 |
| PD.7015      | PL.39708    | A   | fuse6AMP           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.54         | 9        | 8          | 1       | 99         | 0.00      | 0.0               | 2.081                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.39709     | PD.7015     | A   | 2ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.54         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.145                               | 0.064 | 0    | 0          | 0            | 2 |
| 481718       | PL.39709    | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.54         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.145                               | 0.000 | 8    | 1          | 1            | 1 |
| 481722       | PL.39709    | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.145                               | 0.000 | 0    | 0          | 1            | 1 |
| 481724       | PL.26530    | C   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.15                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.664                               | 0.000 | 8    | 1          | 1            | 1 |
| 481703       | PL.26748    | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.15                     | 0.18         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.165                               | 0.000 | 3    | 0          | 1            | 1 |
| 481725       | PL.26748    | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.165                               | 0.000 | 0    | 0          | 1            | 1 |
| 481726       | PL.26746    | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.51                     | 0.22         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.954                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.15757     | PL.26744    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.42         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.949                               | 0.013 | 0    | 0          | 0            | 1 |
| PD.1695      | PL.15757    | B   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.42         | 7        | 6          | 1       | 99         | 0.00      | 0.0               | 0.949                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.45689     | PD.1695     | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.42         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.970                               | 0.021 | 0    | 0          | 0            | 1 |
| PL.45690     | PL.45689    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.42         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.002                               | 0.032 | 0    | 0          | 0            | 1 |
| 481732       | PL.45690    | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.42         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.002                               | 0.000 | 6    | 1          | 1            | 1 |
| 481701       | PL.45690    | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.002                               | 0.000 | 0    | 0          | 0            | 0 |
| 4816057      | PL.45689    | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.970                               | 0.000 | 0    | 0          | 0            | 0 |
| 4816058      | PL.45689    | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.50                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.970                               | 0.000 | 0    | 0          | 0            | 0 |
| 4816053      | PL.26744    | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.25                     | 0.28         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 0.937                               | 0.000 | 4    | 0          | 1            | 1 |
| PL.26527     | PL.14627    | A   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.24                     | 1.61         | 1        | 24         | 3       | 99         | 0.00      | 0.0               | 0.833                               | 0.003 | 0    | 0          | 0            | 3 |
| PD.1696      | PL.26527    | A   | fuse6AMP           | 15.09Y    | 125.8        | 0.00            | 0.24                     | 1.61         | 27       | 24         | 3       | 99         | 0.00      | 0.0               | 0.833                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.26528     | PD.1696     | A   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.24                     | 1.61         | 1        | 24         | 3       | 99         | 0.00      | 0.0               | 0.896                               | 0.063 | 0    | 0          | 0            | 3 |

Unbalanced Voltage Drop Report  
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Units Displayed In Volts |             |     |                    |           |              |                 |               |              |          |            |      |         |            |           |                   |                                     |    |      |            |              |
|--------------------------|-------------|-----|--------------------|-----------|--------------|-----------------|---------------|--------------|----------|------------|------|---------|------------|-----------|-------------------|-------------------------------------|----|------|------------|--------------|
| -Base Voltage:120.0-     |             |     |                    |           |              |                 |               |              |          |            |      |         |            |           |                   |                                     |    |      |            |              |
| Element Name             | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW | KVAR | Cons<br>On | Cons<br>Thru |
| 481633                   | PL.26528    | A   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.24          | 0.64         | 0        | 10         | 1    | 100     | 0.00       | 0.0       | 0.896             | 0.000                               | 10 | 1    | 1          | 1            |
| 481632                   | PL.26528    | A   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.24          | 0.97         | 0        | 14         | 2    | 99      | 0.00       | 0.0       | 0.896             | 0.000                               | 14 | 2    | 1          | 1            |
| 481637                   | PL.26528    | A   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.24          | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.896             | 0.000                               | 0  | 0    | 1          | 1            |
| 481613                   | PL.19589    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.43          | 0.80         | 0        | 12         | 1    | 100     | 0.00       | 0.0       | 0.697             | 0.000                               | 12 | 1    | 1          | 1            |
| 481618                   | PL.19589    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.43          | 0.79         | 0        | 12         | 1    | 100     | 0.00       | 0.0       | 0.697             | 0.000                               | 12 | 1    | 1          | 1            |
| PL.39159                 | PL.19589    | A   | 2ACSR              | 15.09Y    | 125.8        | 0.00            | 0.22          | 0.61         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 0.748             | 0.051                               | 0  | 0    | 0          | 1            |
| 4816052                  | PL.39159    | A   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22          | 0.61         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 0.748             | 0.000                               | 9  | 1    | 1          | 1            |
| 481627                   | PL.22472    | A   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.17          | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.391             | 0.000                               | 0  | 0    | 1          | 1            |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

|      | Load | Adjustment | Capacitance | Charging | Gen&Motors | Loops&Metas | Losses | No Load | Losses | Total |
|------|------|------------|-------------|----------|------------|-------------|--------|---------|--------|-------|
| KW   | 8507 | 0          | 0           | 0        | 0          | 0           | 198    |         | 0.00   | 8705  |
| KVAR | 919  | 0          | 0           | -37      | 0          | 0           | 233    |         |        | 1115  |

  

|            | Lowest Voltage           | Highest Accumulated Voltage Drop | Highest Element Voltage Drop |
|------------|--------------------------|----------------------------------|------------------------------|
| A-Phase -> | 117.77 volts on PL.9940  | 8.23 volts on PL.9940            | 0.73 volts on PL.25549       |
| B-Phase -> | 118.55 volts on PL.11234 | 7.45 volts on PL.11234           | 0.89 volts on PL.41479       |
| C-Phase -> | 120.39 volts on PL.9940  | 5.61 volts on PL.9940            | 0.68 volts on PL.25549       |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, Element KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 3 (STANTON3) beginning with device PD.3915.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.17320, PD.3224, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW |            |              | KVAR |
| PL.18603     | PD.3633     | A   | 336ACSR            | 7.51Y     | 125.2        | 0.01            | 0.82                     | 88.21        | 12       | 650        | 128  | 98      | 0.06       | 0.0               | 0.971          | 0.007             | 0  | 0          | 0            | 112  |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.01            | 0.81                     | 123.99       | 17       | 913        | 184  | 98      |            |                   |                |                   | 0  | 0          | 0            | 193  |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.32                     | 74.72        | 10       | 549        | 127  | 97      |            |                   |                |                   | 0  | 0          | 0            | 108  |
| PL.8096      | PL.18603    | A   | 336ACSR            | 7.51Y     | 125.2        | 0.01            | 0.84                     | 75.38        | 10       | 554        | 115  | 98      | 0.17       | 0.0               | 0.993          | 0.022             | 0  | 0          | 0            | 99   |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.02            | 0.83                     | 123.99       | 17       | 913        | 184  | 98      |            |                   |                |                   | 0  | 0          | 0            | 193  |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.32                     | 74.72        | 10       | 549        | 127  | 97      |            |                   |                |                   | 0  | 0          | 0            | 108  |
| PL.8097      | PL.8096     | A   | 336ACSR            | 7.51Y     | 125.2        | 0.01            | 0.85                     | 74.97        | 10       | 551        | 115  | 98      | 0.13       | 0.0               | 1.011          | 0.018             | 0  | 0          | 0            | 95   |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.02            | 0.85                     | 123.99       | 17       | 913        | 184  | 98      |            |                   |                |                   | 0  | 0          | 0            | 193  |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.32                     | 74.72        | 10       | 549        | 127  | 97      |            |                   |                |                   | 0  | 0          | 0            | 108  |
| 073704       | PL.8097     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.85                     | 0.63         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.011          | 0.000             | 5  | 1          | 1            | 1    |
| PL.8098      | PL.8097     | A   | 336ACSR            | 7.51Y     | 125.1        | 0.03            | 0.88                     | 74.97        | 10       | 551        | 115  | 98      | 0.36       | 0.0               | 1.059          | 0.048             | 0  | 0          | 0            | 95   |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.05            | 0.90                     | 123.36       | 17       | 908        | 183  | 98      |            |                   |                |                   | 0  | 0          | 0            | 192  |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.01            | 0.33                     | 74.72        | 10       | 549        | 127  | 97      |            |                   |                |                   | 0  | 0          | 0            | 108  |
| PL.18600     | PL.8098     | A   | 336ACSR            | 7.51Y     | 125.1        | 0.01            | 0.89                     | 74.97        | 10       | 551        | 114  | 98      | 0.07       | 0.0               | 1.068          | 0.009             | 0  | 0          | 0            | 95   |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.01            | 0.91                     | 121.18       | 17       | 892        | 180  | 98      |            |                   |                |                   | 0  | 0          | 0            | 188  |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.33                     | 74.72        | 10       | 549        | 126  | 97      |            |                   |                |                   | 0  | 0          | 0            | 108  |
| PD.3632      | PL.18600    | A   | VWVE               | 7.51Y     | 125.1        | 0.00            | 0.89                     | 74.97        | 0        | 551        | 114  | 98      | 0.00       | 0.0               | 1.068          | 0.000             | 0  | 0          | 0            | 95   |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.91                     | 121.18       | 0        | 892        | 180  | 98      |            |                   |                |                   | 0  | 0          | 0            | 188  |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.33                     | 74.72        | 0        | 549        | 126  | 97      |            |                   |                |                   | 0  | 0          | 0            | 108  |
| PL.18601     | PD.3632     | A   | 336ACSR            | 7.51Y     | 125.1        | 0.02            | 0.91                     | 74.97        | 10       | 551        | 114  | 98      | 0.24       | 0.0               | 1.101          | 0.033             | 0  | 0          | 0            | 95   |
|              |             | B   |                    | 7.50Y     | 125.1        | 0.03            | 0.94                     | 121.18       | 17       | 892        | 180  | 98      |            |                   |                |                   | 0  | 0          | 0            | 188  |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.01            | 0.34                     | 74.72        | 10       | 549        | 126  | 97      |            |                   |                |                   | 0  | 0          | 0            | 108  |
| PL.17300     | PL.18601    | A   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.91                     | 3.59         | 2        | 27         | 4    | 99      | 0.00       | 0.0               | 1.107          | 0.005             | 0  | 0          | 0            | 5    |
| PD.3246      | PL.17300    | A   | fuse6AMP           | 7.51Y     | 125.1        | 0.00            | 0.91                     | 3.59         | 61       | 27         | 4    | 99      | 0.00       | 0.0               | 1.107          | 0.000             | 0  | 0          | 0            | 5    |
| PL.17301     | PD.3246     | A   | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.92                     | 3.59         | 2        | 27         | 4    | 99      | 0.00       | 0.0               | 1.151          | 0.044             | 0  | 0          | 0            | 5    |
| PL.8092      | PL.17301    | A   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.92                     | 0.91         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.172          | 0.021             | 0  | 0          | 0            | 2    |
| PL.4625      | PL.8092     | A   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.92                     | 0.91         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.225          | 0.054             | 0  | 0          | 0            | 2    |
| 073814       | PL.4625     | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92                     | 0.37         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.225          | 0.000             | 3  | 0          | 1            | 1    |
| 073809       | PL.4625     | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92                     | 0.54         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.225          | 0.000             | 4  | 1          | 1            | 1    |
| 073712       | PL.17301    | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.92                     | 1.42         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 1.151          | 0.000             | 11 | 1          | 1            | 1    |
| 073716       | PL.17301    | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.92                     | 0.60         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.151          | 0.000             | 4  | 1          | 1            | 1    |
| 073714       | PL.17301    | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.92                     | 0.66         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.151          | 0.000             | 5  | 1          | 1            | 1    |
| PL.17302     | PL.18601    | B   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.94                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.107          | 0.005             | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.39         | 0        | 3          | 0    | 99      |            |                   |                |                   | 0  | 0          | 0            | 2    |
| PD.3245      | PL.17302    | B   | fuse6AMP           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.107          | 0.000             | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.39         | 7        | 3          | 0    | 99      |            |                   |                |                   | 0  | 0          | 0            | 2    |
| PL.17303     | PD.3245     | B   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.94                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.206          | 0.099             | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.39         | 0        | 3          | 0    | 99      |            |                   |                |                   | 0  | 0          | 0            | 2    |
| 073710       | PL.17303    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.19         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.206          | 0.000             | 1  | 0          | 1            | 1    |
| 073741       | PL.17303    | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.206          | 0.000             | 0  | 0          | 0            | 0    |
| 073706       | PL.17303    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.20         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.206          | 0.000             | 1  | 0          | 1            | 1    |
| PL.13271     | PL.18601    | A   | 336ACSR            | 7.50Y     | 125.0        | 0.06            | 0.97                     | 71.39        | 10       | 524        | 111  | 98      | 0.65       | 0.0               | 1.192          | 0.091             | 0  | 0          | 0            | 90   |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.09            | 1.03                     | 121.18       | 17       | 891        | 180  | 98      |            |                   |                |                   | 0  | 0          | 0            | 188  |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.02            | 0.36                     | 74.33        | 10       | 546        | 126  | 97      |            |                   |                |                   | 0  | 0          | 0            | 106  |
| PL.32987     | PL.13271    | C   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.36                     | 1.00         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 1.220          | 0.028             | 0  | 0          | 0            | 1    |
| PL.45814     | PL.32987    | C   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.274          | 0.054             | 0  | 0          | 0            | 0    |
| 0737047      | PL.45814    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.274          | 0.000             | 0  | 0          | 0            | 0    |
| PL.45815     | PL.45814    | C   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.376          | 0.102             | 0  | 0          | 0            | 0    |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| PL.43965     | PL.45815    | C   | 2ACSR              | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.551                               | 0.175 | 0    | 0          | 0            | 0   |
| 0737046      | PL.43965    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.551                               | 0.000 | 0    | 0          | 0            | 0   |
| 0737045      | PL.32987    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 1.00         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.220                               | 0.000 | 7    | 1          | 1            | 1   |
| PL.8093      | PL.13271    | B   | 4ACSR              | 7.49Y     | 124.8        | 0.14            | 1.17                     | 55.93        | 29       | 415        | 61      | 99         | 0.44      | 0.1               | 1.251                               | 0.059 | 0    | 0          | 0            | 96  |
| 073733       | PL.8093     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 1.31         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 1.251                               | 0.000 | 10   | 1          | 1            | 1   |
| 073708       | PL.8093     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.97         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.251                               | 0.000 | 7    | 1          | 1            | 1   |
| PL.8094      | PL.8093     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.10            | 1.27                     | 53.65        | 28       | 398        | 58      | 99         | 0.30      | 0.1               | 1.295                               | 0.043 | 0    | 0          | 0            | 93  |
| PL.13272     | PL.8094     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.06            | 1.33                     | 53.65        | 28       | 397        | 58      | 99         | 0.18      | 0.0               | 1.321                               | 0.027 | 0    | 0          | 0            | 93  |
| 073802       | PL.13272    | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.33                     | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.321                               | 0.000 | 2    | 0          | 1            | 1   |
| 073825       | PL.13272    | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.33                     | 0.12         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.321                               | 0.000 | 1    | 0          | 1            | 1   |
| PL.13273     | PL.13272    | B   | 4ACSR              | 7.46Y     | 124.4        | 0.27            | 1.60                     | 53.29        | 27       | 394        | 57      | 99         | 0.81      | 0.2               | 1.441                               | 0.120 | 0    | 0          | 0            | 91  |
| PL.20021     | PL.13273    | B   | 4ACSR              | 7.46Y     | 124.4        | 0.01            | 1.62                     | 53.29        | 27       | 394        | 57      | 99         | 0.04      | 0.0               | 1.447                               | 0.006 | 0    | 0          | 0            | 91  |
| PD.3634      | PL.20021    | B   | 70V4E              | 7.46Y     | 124.4        | 0.00            | 1.62                     | 53.29        | 0        | 394        | 57      | 99         | 0.00      | 0.0               | 1.447                               | 0.000 | 0    | 0          | 0            | 91  |
| PL.20119     | PD.3634     | B   | 4ACSR              | 7.45Y     | 124.1        | 0.26            | 1.87                     | 53.29        | 27       | 394        | 57      | 99         | 0.76      | 0.2               | 1.559                               | 0.112 | 0    | 0          | 0            | 91  |
| PL.17289     | PL.20119    | B   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.87                     | 1.34         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 1.585                               | 0.027 | 0    | 0          | 0            | 3   |
| PD.3249      | PL.17289    | B   | fuse8AMP           | 7.45Y     | 124.1        | 0.00            | 1.87                     | 1.34         | 18       | 10         | 1       | 100        | 0.00      | 0.0               | 1.585                               | 0.000 | 0    | 0          | 0            | 3   |
| PL.17290     | PD.3249     | B   | 4ACSR              | 7.45Y     | 124.1        | 0.01            | 1.88                     | 1.34         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 1.708                               | 0.123 | 0    | 0          | 0            | 3   |
| 073805       | PL.17290    | B   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.708                               | 0.000 | 2    | 0          | 1            | 1   |
| 073815       | PL.17290    | B   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88                     | 1.01         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.708                               | 0.000 | 7    | 1          | 1            | 1   |
| 073803       | PL.17290    | B   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88                     | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.708                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.43112     | PL.20119    | B   | 4ACSR              | 7.44Y     | 124.0        | 0.17            | 2.04                     | 51.95        | 27       | 383        | 55      | 99         | 0.49      | 0.1               | 1.634                               | 0.076 | 0    | 0          | 0            | 88  |
| PL.3778      | PL.43112    | B   | 4ACSR              | 7.42Y     | 123.7        | 0.28            | 2.32                     | 50.54        | 26       | 372        | 53      | 99         | 0.78      | 0.2               | 1.762                               | 0.128 | 0    | 0          | 0            | 85  |
| PL.17332     | PL.3778     | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.781                               | 0.019 | 0    | 0          | 0            | 2   |
| PD.3251      | PL.17332    | B   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.11         | 2        | 1          | 0       | 100        | 0.00      | 0.0               | 1.781                               | 0.000 | 0    | 0          | 0            | 2   |
| PL.17333     | PD.3251     | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.847                               | 0.066 | 0    | 0          | 0            | 2   |
| PL.4624      | PL.17333    | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.859                               | 0.011 | 0    | 0          | 0            | 2   |
| PL.3777      | PL.4624     | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.970                               | 0.111 | 0    | 0          | 0            | 2   |
| 619201       | PL.3777     | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.970                               | 0.000 | 1    | 0          | 1            | 1   |
| 619202       | PL.3777     | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.970                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.13280     | PL.3778     | B   | 4ACSR              | 7.41Y     | 123.5        | 0.20            | 2.51                     | 49.64        | 26       | 365        | 52      | 99         | 0.55      | 0.1               | 1.855                               | 0.093 | 0    | 0          | 0            | 82  |
| PL.17334     | PL.13280    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.51                     | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.861                               | 0.005 | 0    | 0          | 0            | 1   |
| PD.3252      | PL.17334    | B   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.51                     | 0.23         | 4        | 2          | 0       | 100        | 0.00      | 0.0               | 1.861                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.17335     | PD.3252     | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.51                     | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.936                               | 0.075 | 0    | 0          | 0            | 1   |
| 074840       | PL.17335    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.51                     | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.936                               | 0.000 | 2    | 0          | 1            | 1   |
| PL.13281     | PL.13280    | B   | 4ACSR              | 7.41Y     | 123.4        | 0.06            | 2.57                     | 49.41        | 25       | 362        | 51      | 99         | 0.16      | 0.0               | 1.882                               | 0.027 | 0    | 0          | 0            | 81  |
| PL.17338     | PL.13281    | B   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.57                     | 5.33         | 3        | 39         | 5       | 99         | 0.00      | 0.0               | 1.887                               | 0.005 | 0    | 0          | 0            | 5   |
| C PD.3254    | PL.17338    | B   | fuse6AMP           | 7.41Y     | 123.4        | 0.00            | 2.57                     | 5.33         | 91       | 39         | 5       | 99         | 0.00      | 0.0               | 1.887                               | 0.000 | 0    | 0          | 0            | 5 C |
| PL.17339     | PD.3254     | B   | 4ACSR              | 7.40Y     | 123.4        | 0.02            | 2.59                     | 5.33         | 3        | 39         | 5       | 99         | 0.01      | 0.0               | 1.964                               | 0.077 | 0    | 0          | 0            | 5   |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 074866       | PL.17339    | B   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.59                     | 1.18         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.964                               | 0.000 | 9    | 1          | 1            | 1  |
| 074801       | PL.17339    | B   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.59                     | 1.08         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.964                               | 0.000 | 8    | 1          | 1            | 1  |
| 074818       | PL.17339    | B   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.59                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.964                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.4620      | PL.17339    | B   | 4ACSR              | 7.40Y     | 123.4        | 0.01            | 2.60                     | 2.27         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 2.035                               | 0.071 | 0    | 0          | 0            | 2  |
| PL.4612      | PL.4620     | B   | 4ACSR              | 7.40Y     | 123.4        | 0.01            | 2.60                     | 1.39         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 2.140                               | 0.105 | 0    | 0          | 0            | 1  |
| 074859       | PL.4612     | B   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.60                     | 1.39         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.140                               | 0.000 | 10   | 1          | 1            | 1  |
| 074861       | PL.4620     | B   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.60                     | 0.88         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.035                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.17336     | PL.13281    | B   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.57                     | 2.10         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 1.887                               | 0.005 | 0    | 0          | 0            | 2  |
| PD.3253      | PL.17336    | B   | fuse6AMP           | 7.41Y     | 123.4        | 0.00            | 2.57                     | 2.10         | 36       | 15         | 2       | 99         | 0.00      | 0.0               | 1.887                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.17337     | PD.3253     | B   | 4ACSR              | 7.41Y     | 123.4        | 0.01            | 2.58                     | 2.10         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 1.955                               | 0.068 | 0    | 0          | 0            | 2  |
| 074875       | PL.17337    | B   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.58                     | 0.97         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.955                               | 0.000 | 7    | 1          | 1            | 1  |
| 074855       | PL.17337    | B   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.58                     | 1.14         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.955                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.13282     | PL.13281    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.10            | 2.67                     | 41.98        | 22       | 308        | 44      | 99         | 0.23      | 0.1               | 1.936                               | 0.054 | 0    | 0          | 0            | 74 |
| PL.13283     | PL.13282    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.06            | 2.73                     | 38.82        | 20       | 284        | 40      | 99         | 0.14      | 0.0               | 1.975                               | 0.039 | 0    | 0          | 0            | 69 |
| PL.37177     | PL.13283    | B   | 4ACSR              | 7.38Y     | 123.1        | 0.19            | 2.92                     | 38.66        | 20       | 283        | 40      | 99         | 0.41      | 0.1               | 2.090                               | 0.115 | 0    | 0          | 0            | 68 |
| 0748084      | PL.37177    | B   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.92                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.090                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.37178     | PL.37177    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.05            | 2.97                     | 38.66        | 20       | 283        | 40      | 99         | 0.11      | 0.0               | 2.122                               | 0.032 | 0    | 0          | 0            | 68 |
| PL.8118      | PL.37178    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.03            | 3.01                     | 38.66        | 20       | 283        | 40      | 99         | 0.07      | 0.0               | 2.141                               | 0.020 | 0    | 0          | 0            | 68 |
| PD.3781-A    | PL.8118     | B   | Closed             | 7.38Y     | 123.0        | 0.00            | 3.01                     | 38.66        | 0        | 283        | 40      | 99         | 0.00      | 0.0               | 2.141                               | 0.000 | 0    | 0          | 0            | 68 |
| PD.3781-B    | PD.3781-A   | B   | Closed             | 7.38Y     | 123.0        | 0.00            | 3.01                     | 38.66        | 0        | 283        | 40      | 99         | 0.00      | 0.0               | 2.141                               | 0.000 | 0    | 0          | 0            | 68 |
| 074870       | PD.3781-B   | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.01                     | 1.25         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.141                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.17343     | PD.3781-B   | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.01                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.147                               | 0.005 | 0    | 0          | 0            | 1  |
| PD.3247      | PL.17343    | B   | fuse6AMP           | 7.38Y     | 123.0        | 0.00            | 3.01                     | 0.96         | 16       | 7          | 1       | 99         | 0.00      | 0.0               | 2.147                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.17344     | PD.3247     | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.01                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.239                               | 0.093 | 0    | 0          | 0            | 1  |
| 074837       | PL.17344    | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.01                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.239                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.20431     | PD.3781-B   | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.01                     | 9.89         | 5        | 72         | 10      | 99         | 0.00      | 0.0               | 2.151                               | 0.010 | 0    | 0          | 0            | 23 |
| PD.3636      | PL.20431    | B   | 35V4E              | 7.38Y     | 123.0        | 0.00            | 3.01                     | 9.89         | 28       | 72         | 10      | 99         | 0.00      | 0.0               | 2.151                               | 0.000 | 0    | 0          | 0            | 23 |
| PL.20432     | PD.3636     | B   | 4ACSR              | 7.37Y     | 122.9        | 0.09            | 3.10                     | 9.89         | 5        | 72         | 10      | 99         | 0.05      | 0.1               | 2.353                               | 0.202 | 0    | 0          | 0            | 23 |
| PL.39322     | PL.20432    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.10                     | 2.16         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 2.357                               | 0.004 | 0    | 0          | 0            | 6  |
| PD.6913-A    | PL.39322    | B   | Closed             | 7.37Y     | 122.9        | 0.00            | 3.10                     | 2.16         | 0        | 16         | 2       | 99         | 0.00      | 0.0               | 2.357                               | 0.000 | 0    | 0          | 0            | 6  |
| PD.6913-B    | PD.6913-A   | B   | Closed             | 7.37Y     | 122.9        | 0.00            | 3.10                     | 2.16         | 0        | 16         | 2       | 99         | 0.00      | 0.0               | 2.357                               | 0.000 | 0    | 0          | 0            | 6  |
| PL.39323     | PD.6913-B   | B   | 4ACSR              | 7.37Y     | 122.9        | 0.01            | 3.10                     | 2.16         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 2.419                               | 0.062 | 0    | 0          | 0            | 6  |
| PL.4616      | PL.39323    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.01            | 3.11                     | 1.71         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 2.498                               | 0.080 | 0    | 0          | 0            | 5  |
| 074863       | PL.4616     | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.498                               | 0.000 | 1    | 0          | 1            | 1  |
| 074835       | PL.4616     | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.93         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.498                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.8109      | PL.4616     | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.561                               | 0.063 | 0    | 0          | 0            | 3  |
| 074857       | PL.8109     | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.561                               | 0.000 | 0    | 0          | 0            | 0  |
| 074847       | PL.8109     | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.561                               | 0.000 | 0    | 0          | 0            | 0  |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 074856       | PL.8109     | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.561                               | 0.000 | 0    | 0          | 0            | 0  |
| 074848       | PL.8109     | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.561                               | 0.000 | 0    | 0          | 0            | 0  |
| 074854       | PL.8109     | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.561                               | 0.000 | 0    | 0          | 1            | 1  |
| 074873       | PL.8109     | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.561                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.17340     | PL.8109     | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.639                               | 0.078 | 0    | 0          | 0            | 1  |
| PL.17341     | PL.17340    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.645                               | 0.006 | 0    | 0          | 0            | 1  |
| PD.3265      | PL.17341    | B   | fuse6AMP           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.55         | 9        | 4          | 1       | 97         | 0.00      | 0.0               | 2.645                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.17342     | PD.3265     | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.787                               | 0.142 | 0    | 0          | 0            | 1  |
| PL.4630      | PL.17342    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.818                               | 0.031 | 0    | 0          | 0            | 0  |
| PL.13503     | PL.17342    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.828                               | 0.041 | 0    | 0          | 0            | 1  |
| PL.4631      | PL.13503    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.901                               | 0.073 | 0    | 0          | 0            | 0  |
| PL.13504     | PL.13503    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.030                               | 0.202 | 0    | 0          | 0            | 1  |
| 073827       | PL.13504    | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.030                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.4613      | PL.39323    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.10                     | 0.45         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.458                               | 0.040 | 0    | 0          | 0            | 1  |
| 074871       | PL.4613     | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.10                     | 0.45         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.458                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.13502     | PL.20432    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.02            | 3.11                     | 7.73         | 4        | 56         | 8       | 99         | 0.01      | 0.0               | 2.398                               | 0.045 | 0    | 0          | 0            | 17 |
| PL.39324     | PL.13502    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.404                               | 0.006 | 0    | 0          | 0            | 1  |
| PD.6906      | PL.39324    | B   | fuse6AMP           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.63         | 11       | 5          | 1       | 98         | 0.00      | 0.0               | 2.404                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.39325     | PD.6906     | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.453                               | 0.049 | 0    | 0          | 0            | 1  |
| 074808       | PL.39325    | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.453                               | 0.000 | 5    | 1          | 1            | 1  |
| PL.39326     | PL.13502    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.11                     | 1.61         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 2.402                               | 0.004 | 0    | 0          | 0            | 3  |
| PD.6907      | PL.39326    | B   | fuse6AMP           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 1.61         | 28       | 12         | 2       | 99         | 0.00      | 0.0               | 2.402                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.39327     | PD.6907     | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.12                     | 1.61         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 2.452                               | 0.050 | 0    | 0          | 0            | 3  |
| 074846       | PL.39327    | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.82         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.452                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.20279     | PL.39327    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.79         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.483                               | 0.031 | 0    | 0          | 0            | 2  |
| 074844       | PL.20279    | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.483                               | 0.000 | 0    | 0          | 1            | 1  |
| 074876       | PL.20279    | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.483                               | 0.000 | 6    | 1          | 1            | 1  |
| 074865       | PL.13502    | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.11                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.398                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.13505     | PL.13502    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.02            | 3.14                     | 5.48         | 3        | 40         | 6       | 99         | 0.01      | 0.0               | 2.500                               | 0.101 | 0    | 0          | 0            | 12 |
| PL.39328     | PL.13505    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.14                     | 0.61         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.506                               | 0.007 | 0    | 0          | 0            | 1  |
| PD.6908      | PL.39328    | B   | fuse6AMP           | 7.37Y     | 122.9        | 0.00            | 3.14                     | 0.61         | 10       | 4          | 1       | 97         | 0.00      | 0.0               | 2.506                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.39329     | PD.6908     | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.14                     | 0.61         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.604                               | 0.098 | 0    | 0          | 0            | 1  |
| 074829       | PL.39329    | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.14                     | 0.61         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.604                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.13506     | PL.13505    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.14                     | 4.61         | 2        | 34         | 5       | 99         | 0.00      | 0.0               | 2.523                               | 0.024 | 0    | 0          | 0            | 10 |
| 074864       | PL.13506    | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.14                     | 0.77         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.523                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.13507     | PL.13506    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.01            | 3.15                     | 3.84         | 2        | 28         | 4       | 99         | 0.00      | 0.0               | 2.556                               | 0.032 | 0    | 0          | 0            | 9  |
| PL.8111      | PL.13507    | B   | 4ACSR              | 7.37Y     | 122.8        | 0.01            | 3.16                     | 2.77         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 2.659                               | 0.103 | 0    | 0          | 0            | 8  |
| PL.8110      | PL.8111     | B   | 4ACSR              | 7.37Y     | 122.8        | 0.01            | 3.17                     | 1.59         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 2.855                               | 0.196 | 0    | 0          | 0            | 6  |



Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for Units Displayed In Volts and Base Voltage:120.0-

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and '-Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 075815       | PL.13219    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.69                     | 0.72         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.016                               | 0.000 | 5    | 1          | 1            | 1 |
| 075805       | PL.13217    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.65                     | 0.17         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.897                               | 0.000 | 1    | 0          | 1            | 1 |
| 074842       | PL.13217    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.897                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.16944     | PL.13024    | B   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.60                     | 5.92         | 3        | 43         | 6       | 99         | 0.00      | 0.0               | 2.779                               | 0.005 | 0    | 0          | 0            | 9 |
| PD.498-A     | PL.16944    | B   | Closed             | 7.34Y     | 122.4        | 0.00            | 3.60                     | 5.92         | 0        | 43         | 6       | 99         | 0.00      | 0.0               | 2.779                               | 0.000 | 0    | 0          | 0            | 9 |
| PD.498-B     | PD.498-A    | B   | Closed             | 7.34Y     | 122.4        | 0.00            | 3.60                     | 5.92         | 0        | 43         | 6       | 99         | 0.00      | 0.0               | 2.779                               | 0.000 | 0    | 0          | 0            | 9 |
| PL.16945     | PD.498-B    | B   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.60                     | 5.92         | 3        | 43         | 6       | 99         | 0.00      | 0.0               | 2.784                               | 0.005 | 0    | 0          | 0            | 9 |
| PD.3635      | PL.16945    | B   | 50V4E              | 7.34Y     | 122.4        | 0.00            | 3.60                     | 5.92         | 0        | 43         | 6       | 99         | 0.00      | 0.0               | 2.784                               | 0.000 | 0    | 0          | 0            | 9 |
| PL.16946     | PD.3635     | B   | 4ACSR              | 7.34Y     | 122.4        | 0.03            | 3.63                     | 5.92         | 3        | 43         | 6       | 99         | 0.01      | 0.0               | 2.892                               | 0.108 | 0    | 0          | 0            | 9 |
| PL.13025     | PL.16946    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.02            | 3.66                     | 5.92         | 3        | 43         | 6       | 99         | 0.01      | 0.0               | 2.983                               | 0.091 | 0    | 0          | 0            | 9 |
| PL.39334     | PL.13025    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.66                     | 1.43         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 2.989                               | 0.006 | 0    | 0          | 0            | 1 |
| PD.6911      | PL.39334    | B   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.66                     | 1.43         | 24       | 10         | 1       | 100        | 0.00      | 0.0               | 2.989                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.39335     | PD.6911     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.66                     | 1.43         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 3.044                               | 0.055 | 0    | 0          | 0            | 1 |
| 074814       | PL.39335    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.66                     | 1.43         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 3.044                               | 0.000 | 10   | 1          | 1            | 1 |
| PL.13026     | PL.13025    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.67                     | 4.50         | 2        | 33         | 5       | 99         | 0.00      | 0.0               | 3.039                               | 0.056 | 0    | 0          | 0            | 8 |
| PL.39336     | PL.13026    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.67                     | 0.81         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.044                               | 0.004 | 0    | 0          | 0            | 1 |
| PD.6912      | PL.39336    | B   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.67                     | 0.81         | 14       | 6          | 1       | 99         | 0.00      | 0.0               | 3.044                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.39337     | PD.6912     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.67                     | 0.81         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.079                               | 0.036 | 0    | 0          | 0            | 1 |
| 074833       | PL.39337    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.67                     | 0.81         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.079                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.13027     | PL.13026    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.67                     | 3.69         | 2        | 27         | 4       | 99         | 0.00      | 0.0               | 3.094                               | 0.054 | 0    | 0          | 0            | 7 |
| 074810       | PL.13027    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.67                     | 0.32         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.094                               | 0.000 | 2    | 0          | 1            | 1 |
| 074811       | PL.13027    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.67                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.094                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.39391     | PL.13027    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.67                     | 1.13         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.096                               | 0.002 | 0    | 0          | 0            | 2 |
| PL.39394     | PL.39391    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.67                     | 1.13         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.098                               | 0.002 | 0    | 0          | 0            | 2 |
| PL.39395     | PL.39394    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 1.13         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.108                               | 0.010 | 0    | 0          | 0            | 2 |
| PL.39390     | PL.39395    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 1.13         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.143                               | 0.035 | 0    | 0          | 0            | 2 |
| PL.13028     | PL.39390    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 1.13         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.177                               | 0.034 | 0    | 0          | 0            | 2 |
| PL.39399     | PL.13028    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 1.13         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.181                               | 0.004 | 0    | 0          | 0            | 2 |
| PD.7094      | PL.39399    | B   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.68                     | 1.13         | 19       | 8          | 1       | 99         | 0.00      | 0.0               | 3.181                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.39400     | PD.7094     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 1.13         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.240                               | 0.059 | 0    | 0          | 0            | 2 |
| 075808       | PL.39400    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.22         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.240                               | 0.000 | 2    | 0          | 1            | 1 |
| 074827       | PL.39400    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.91         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.240                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.13029     | PL.13028    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.256                               | 0.078 | 0    | 0          | 0            | 0 |
| PL.25257     | PL.13029    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.479                               | 0.223 | 0    | 0          | 0            | 0 |
| PL.25258     | PL.25257    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.547                               | 0.068 | 0    | 0          | 0            | 0 |
| PL.25259     | PL.25258    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.591                               | 0.044 | 0    | 0          | 0            | 0 |
| 0758021      | PL.13029    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.256                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.39387     | PL.13027    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.67                     | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.102                               | 0.008 | 0    | 0          | 0            | 1 |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PD.7091      | PL.39387    | B   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.67                     | 0.13         | 2        | 1          | 0       | 100        | 0.00      | 0.0               | 3.102                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.39388     | PD.7091     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.397                               | 0.295 | 0    | 0          | 0            | 1 |
| 074902       | PL.39388    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.397                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.39398     | PL.13027    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.67                     | 2.08         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 3.096                               | 0.002 | 0    | 0          | 0            | 2 |
| PD.7093      | PL.39398    | B   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.67                     | 2.08         | 36       | 15         | 2       | 99         | 0.00      | 0.0               | 3.096                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.39397     | PD.7093     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 2.08         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 3.103                               | 0.007 | 0    | 0          | 0            | 2 |
| PL.39340     | PL.39397    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.68                     | 2.08         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 3.144                               | 0.041 | 0    | 0          | 0            | 2 |
| 0748086      | PL.39340    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.144                               | 0.000 | 0    | 0          | 0            | 0 |
| 074830       | PL.39340    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.68                     | 1.38         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 3.144                               | 0.000 | 10   | 1          | 1            | 1 |
| 074839       | PL.39340    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.144                               | 0.000 | 0    | 0          | 0            | 0 |
| 074832       | PL.39340    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.70         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.144                               | 0.000 | 5    | 1          | 1            | 1 |
| 0748087      | PL.13024    | B   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.60                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.773                               | 0.000 | 0    | 0          | 0            | 0 |
| 074853       | PL.13024    | B   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.60                     | 1.55         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 2.773                               | 0.000 | 11   | 2          | 1            | 1 |
| PL.17351     | PL.13024    | B   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.60                     | 1.13         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 2.779                               | 0.006 | 0    | 0          | 0            | 1 |
| PD.3248      | PL.17351    | B   | fuse6AMP           | 7.34Y     | 122.4        | 0.00            | 3.60                     | 1.13         | 19       | 8          | 1       | 99         | 0.00      | 0.0               | 2.779                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.17352     | PD.3248     | B   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.61                     | 1.13         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 2.851                               | 0.072 | 0    | 0          | 0            | 1 |
| 074803       | PL.17352    | B   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.61                     | 1.13         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.851                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.17349     | PL.13021    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.36                     | 1.16         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 2.480                               | 0.005 | 0    | 0          | 0            | 2 |
| PD.3257      | PL.17349    | B   | fuse6AMP           | 7.36Y     | 122.6        | 0.00            | 3.36                     | 1.16         | 20       | 8          | 1       | 99         | 0.00      | 0.0               | 2.480                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.17350     | PD.3257     | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.36                     | 1.16         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 2.496                               | 0.016 | 0    | 0          | 0            | 2 |
| 074807       | PL.17350    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.496                               | 0.000 | 0    | 0          | 0            | 0 |
| 074836       | PL.17350    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.496                               | 0.000 | 0    | 0          | 0            | 0 |
| 074858       | PL.17350    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.36                     | 0.67         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.496                               | 0.000 | 5    | 1          | 1            | 1 |
| 074815       | PL.17350    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.36                     | 0.48         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 2.496                               | 0.000 | 4    | 0          | 1            | 1 |
| 074838       | PL.8107     | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.12                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.239                               | 0.000 | 0    | 0          | 1            | 1 |
| 074874       | PL.13283    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.73                     | 0.16         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.975                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.8126      | PL.13282    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.02            | 2.69                     | 3.16         | 2        | 23         | 3       | 99         | 0.00      | 0.0               | 2.118                               | 0.183 | 0    | 0          | 0            | 5 |
| 0748081      | PL.8126     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.87         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.118                               | 0.000 | 6    | 1          | 1            | 1 |
| 074879       | PL.8126     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.51         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.118                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.8127      | PL.8126     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.69                     | 1.77         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 2.165                               | 0.046 | 0    | 0          | 0            | 3 |
| PL.46010     | PL.8127     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.213                               | 0.048 | 0    | 0          | 0            | 0 |
| 0738030      | PL.46010    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.213                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.46011     | PL.46010    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.257                               | 0.044 | 0    | 0          | 0            | 0 |
| 0738028      | PL.46011    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.257                               | 0.000 | 0    | 0          | 0            | 0 |
| 074880       | PL.8127     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.86         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.165                               | 0.000 | 6    | 1          | 1            | 1 |
| 0748083      | PL.8127     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.165                               | 0.000 | 0    | 0          | 1            | 1 |
| 0748082      | PL.8127     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.91         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.165                               | 0.000 | 7    | 1          | 1            | 1 |
| 074862       | PL.13281    | B   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.57                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.882                               | 0.000 | 0    | 0          | 0            | 0 |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 6131006, PL.7448, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.33234, PL.33235, PL.20762, etc.





Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include various elements like PL.13487, PL.33233, PD.4356-B, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    |      |            |              |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|----|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW | KVAR | Cons<br>On | Cons<br>Thru |
| PL.33236     | PL.22242    | A   | 1/0ACSR            | 7.43Y     | 123.8        | 0.00            | 2.19                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.752          | 0.004             | 0  | 0    | 0          | 0            |
|              |             | B   |                    | 7.41Y     | 123.5        | 0.00            | 2.53                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |                   | 0  | 0    | 0          | 0            |
|              |             | C   |                    | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |                   | 0  | 0    | 0          | 0            |
| PD.4358-A    | PL.33236    | A   | Open               | 7.43Y     | 123.8        | 0.00            | 2.19                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.752          | 0.000             | 0  | 0    | 0          | 0            |
|              |             | B   |                    | 7.41Y     | 123.5        | 0.00            | 2.53                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |                   | 0  | 0    | 0          | 0            |
|              |             | C   |                    | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |                   | 0  | 0    | 0          | 0            |
| 610710       | PL.22242    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.53                     | 1.09         | 0        | 7          | 4    | 87      | 0.00       | 0.0               | 2.747          | 0.000             | 7  | 4    | 1          | 1            |
|              |             | C   |                    | 7.44Y     | 124.0        | 0.00            | 2.01                     | 1.08         | 0        | 7          | 4    | 90      |            |                   |                |                   | 7  | 4    | 1          | 1            |
| 610711       | PL.22242    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.53                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.747          | 0.000             | 0  | 0    | 0          | 0            |
|              |             | C   |                    | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |                   | 0  | 0    | 0          | 0            |
| 611804       | PL.13493    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.47                     | 0.39         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 2.462          | 0.000             | 3  | 1    | 1          | 1            |
| 611805       | PL.13493    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.47                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.462          | 0.000             | 0  | 0    | 0          | 0            |
| 612804       | PL.7421     | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.46                     | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.427          | 0.000             | 1  | 0    | 1          | 1            |
| 612815       | PL.7421     | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.46                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.427          | 0.000             | 2  | 0    | 1          | 1            |
| 612819       | PL.7421     | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.46                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.427          | 0.000             | 0  | 0    | 0          | 0            |
| PL.26472     | PL.17538    | A   | 1/0ACSR            | 7.43Y     | 123.9        | 0.01            | 2.13                     | 29.62        | 9        | 217        | 37   | 99      | 0.10       | 0.0               | 2.408          | 0.029             | 0  | 0    | 0          | 60           |
|              |             | B   |                    | 7.41Y     | 123.5        | 0.02            | 2.46                     | 34.44        | 10       | 251        | 49   | 98      |            |                   |                |                   | 0  | 0    | 0          | 74           |
|              |             | C   |                    | 7.44Y     | 124.0        | 0.02            | 1.95                     | 45.43        | 14       | 333        | 60   | 98      |            |                   |                |                   | 0  | 0    | 0          | 97           |
| PL.17539     | PL.26472    | A   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.13                     | 0.59         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.413          | 0.005             | 0  | 0    | 0          | 2            |
| PD.2907      | PL.17539    | A   | fuse6AMP           | 7.43Y     | 123.9        | 0.00            | 2.13                     | 0.59         | 10       | 4          | 1    | 97      | 0.00       | 0.0               | 2.413          | 0.000             | 0  | 0    | 0          | 2            |
| PL.17540     | PD.2907     | A   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.13                     | 0.59         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.434          | 0.021             | 0  | 0    | 0          | 2            |
| PL.3772      | PL.17540    | A   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.14                     | 0.59         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.482          | 0.048             | 0  | 0    | 0          | 2            |
| 612814       | PL.3772     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.14                     | 0.30         | 0        | 2          | 1    | 89      | 0.00       | 0.0               | 2.482          | 0.000             | 2  | 1    | 1          | 1            |
| 612811       | PL.3772     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.14                     | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.482          | 0.000             | 2  | 0    | 1          | 1            |
| PL.26473     | PL.26472    | A   | 1/0ACSR            | 7.43Y     | 123.9        | 0.01            | 2.15                     | 29.04        | 9        | 213        | 35   | 99      | 0.12       | 0.0               | 2.442          | 0.035             | 0  | 0    | 0          | 58           |
|              |             | B   |                    | 7.41Y     | 123.5        | 0.02            | 2.48                     | 34.44        | 10       | 250        | 49   | 98      |            |                   |                |                   | 0  | 0    | 0          | 74           |
|              |             | C   |                    | 7.44Y     | 124.0        | 0.03            | 1.98                     | 45.43        | 14       | 333        | 60   | 98      |            |                   |                |                   | 0  | 0    | 0          | 97           |
| PL.3774      | PL.26473    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.87         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.454          | 0.012             | 0  | 0    | 0          | 3            |
| PL.19771     | PL.3774     | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.87         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.478          | 0.023             | 0  | 0    | 0          | 3            |
| PL.19772     | PL.19771    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.19         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.484          | 0.007             | 0  | 0    | 0          | 2            |
| 613701       | PL.19772    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.484          | 0.000             | 0  | 0    | 1          | 1            |
| 612708       | PL.19772    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.19         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.484          | 0.000             | 1  | 0    | 1          | 1            |
| 613702       | PL.19771    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.68         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.478          | 0.000             | 5  | 1    | 1          | 1            |
| 612808       | PL.26473    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.442          | 0.000             | 0  | 0    | 0          | 0            |
| 612820       | PL.26473    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.442          | 0.000             | 0  | 0    | 1          | 1            |
| 612810       | PL.26473    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.442          | 0.000             | 2  | 0    | 1          | 1            |
| 612807       | PL.26473    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.58         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.442          | 0.000             | 4  | 1    | 1          | 1            |
| 612806       | PL.26473    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.442          | 0.000             | 2  | 0    | 1          | 1            |
| 612821       | PL.26473    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.442          | 0.000             | 0  | 0    | 1          | 1            |
| 612816       | PL.26473    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.442          | 0.000             | 0  | 0    | 1          | 1            |
| 612818       | PL.26473    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.87         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.442          | 0.000             | 6  | 1    | 1          | 1            |
| 613801       | PL.26473    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.18         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.442          | 0.000             | 1  | 0    | 1          | 1            |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PL.26470, PL.16941, PD.2908, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.37891     | PD.6261     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.24                     | 15.18        | 8        | 112        | 15      | 99         | 0.00      | 0.0               | 2.701                               | 0.001 | 0    | 0          | 0            | 25 |
| PL.37889     | PL.37891    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.24                     | 15.18        | 8        | 112        | 15      | 99         | 0.00      | 0.0               | 2.705                               | 0.005 | 0    | 0          | 0            | 25 |
| PL.20063     | PL.37889    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.02            | 2.26                     | 15.18        | 8        | 112        | 15      | 99         | 0.02      | 0.0               | 2.738                               | 0.033 | 0    | 0          | 0            | 25 |
| PL.20064     | PL.20063    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.04            | 2.30                     | 14.73        | 8        | 108        | 15      | 99         | 0.03      | 0.0               | 2.799                               | 0.062 | 0    | 0          | 0            | 24 |
| 615705       | PL.20064    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.30                     | 0.47         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.799                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.7443      | PL.20064    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.01            | 2.31                     | 14.27        | 7        | 105        | 14      | 99         | 0.01      | 0.0               | 2.819                               | 0.019 | 0    | 0          | 0            | 23 |
| 615703       | PL.7443     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.31                     | 0.27         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.819                               | 0.000 | 2    | 0          | 1            | 1  |
| 615704       | PL.7443     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.31                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.819                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.26466     | PL.7443     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.02            | 2.34                     | 13.69        | 7        | 101        | 14      | 99         | 0.02      | 0.0               | 2.859                               | 0.041 | 0    | 0          | 0            | 21 |
| PL.3387      | PL.26466    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.34                     | 0.40         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.873                               | 0.014 | 0    | 0          | 0            | 1  |
| 615702       | PL.3387     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.34                     | 0.40         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.873                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.26467     | PL.26466    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.03            | 2.37                     | 12.81        | 7        | 94         | 13      | 99         | 0.02      | 0.0               | 2.917                               | 0.058 | 0    | 0          | 0            | 19 |
| PL.39565     | PL.26467    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.972                               | 0.055 | 0    | 0          | 0            | 0  |
| PD.6973-A    | PL.39565    | A   | Open               | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.972                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.16939     | PL.26467    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.37                     | 12.81        | 7        | 94         | 13      | 99         | 0.00      | 0.0               | 2.923                               | 0.005 | 0    | 0          | 0            | 19 |
| PD.8139-A    | PL.16939    | A   | Closed             | 7.42Y     | 123.6        | 0.00            | 2.37                     | 12.81        | 0        | 94         | 13      | 99         | 0.00      | 0.0               | 2.923                               | 0.000 | 0    | 0          | 0            | 19 |
| PD.8139-B    | PD.8139-A   | A   | Closed             | 7.42Y     | 123.6        | 0.00            | 2.37                     | 12.81        | 0        | 94         | 13      | 99         | 0.00      | 0.0               | 2.923                               | 0.000 | 0    | 0          | 0            | 19 |
| PL.16940     | PD.8139-B   | A   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.38                     | 12.81        | 7        | 94         | 13      | 99         | 0.01      | 0.0               | 2.945                               | 0.023 | 0    | 0          | 0            | 19 |
| 616703       | PL.16940    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.945                               | 0.000 | 5    | 1          | 1            | 1  |
| 616702       | PL.16940    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.945                               | 0.000 | 2    | 0          | 1            | 1  |
| 616704       | PL.16940    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.945                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.7427      | PL.16940    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.02            | 2.40                     | 11.80        | 6        | 87         | 12      | 99         | 0.01      | 0.0               | 2.976                               | 0.031 | 0    | 0          | 0            | 17 |
| 616701       | PL.7427     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.34         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.976                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.7426      | PL.7427     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.41                     | 11.46        | 6        | 84         | 12      | 99         | 0.01      | 0.0               | 2.999                               | 0.022 | 0    | 0          | 0            | 16 |
| PL.26370     | PL.7426     | A   | 4ACSR              | 7.41Y     | 123.6        | 0.01            | 2.42                     | 10.92        | 6        | 80         | 11      | 99         | 0.00      | 0.0               | 3.016                               | 0.017 | 0    | 0          | 0            | 15 |
| PL.26373     | PL.26370    | A   | 4ACSR              | 7.41Y     | 123.6        | 0.01            | 2.43                     | 7.04         | 4        | 52         | 7       | 99         | 0.01      | 0.0               | 3.065                               | 0.048 | 0    | 0          | 0            | 10 |
| PL.26371     | PL.26373    | A   | 4ACSR              | 7.41Y     | 123.6        | 0.01            | 2.44                     | 3.72         | 2        | 27         | 4       | 99         | 0.00      | 0.0               | 3.104                               | 0.039 | 0    | 0          | 0            | 5  |
| PL.26372     | PL.26371    | A   | 4ACSR              | 7.41Y     | 123.6        | 0.01            | 2.45                     | 2.88         | 1        | 21         | 3       | 99         | 0.00      | 0.0               | 3.156                               | 0.052 | 0    | 0          | 0            | 4  |
| PL.7440      | PL.26372    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.45                     | 2.10         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 3.201                               | 0.045 | 0    | 0          | 0            | 3  |
| 615501       | PL.7440     | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.45                     | 1.09         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.201                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.7500      | PL.7440     | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.46                     | 1.01         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 3.298                               | 0.097 | 0    | 0          | 0            | 2  |
| 614501       | PL.7500     | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.46                     | 0.77         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.298                               | 0.000 | 6    | 1          | 1            | 1  |
| 614502       | PL.7500     | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.46                     | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.298                               | 0.000 | 2    | 0          | 1            | 1  |
| 615502       | PL.26372    | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.45                     | 0.78         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.156                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.3385      | PL.26371    | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.44                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.131                               | 0.027 | 0    | 0          | 0            | 1  |
| 616602       | PL.3385     | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.44                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.131                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.7444      | PL.26373    | A   | 4ACSR              | 7.41Y     | 123.6        | 0.01            | 2.44                     | 3.33         | 2        | 24         | 3       | 99         | 0.00      | 0.0               | 3.115                               | 0.051 | 0    | 0          | 0            | 5  |
| PL.26374     | PL.7444     | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.45                     | 2.42         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 3.153                               | 0.038 | 0    | 0          | 0            | 3  |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           | mi<br>From<br>Src | Length<br>(mi) | Element |      | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------------------|----------------|---------|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss |                   |                | KW      | KVAR |            |              |
| PL.26465     | PL.26374    | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.45                     | 1.35         | 1        | 10         | 1    | 100     | 0.00       | 0.0       | 3.175             | 0.022          | 0       | 0    | 0          | 2            |
| PL.7445      | PL.26465    | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.45                     | 0.65         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 3.217             | 0.042          | 0       | 0    | 0          | 1            |
| 617603       | PL.7445     | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.45                     | 0.65         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 3.217             | 0.000          | 5       | 1    | 1          | 1            |
| 617601       | PL.26465    | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.45                     | 0.71         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 3.175             | 0.000          | 5       | 1    | 1          | 1            |
| PL.3786      | PL.26374    | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.45                     | 1.07         | 1        | 8          | 1    | 99      | 0.00       | 0.0       | 3.193             | 0.040          | 0       | 0    | 0          | 1            |
| 617604       | PL.3786     | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.45                     | 1.07         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 3.193             | 0.000          | 8       | 1    | 1          | 1            |
| 616605       | PL.7444     | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.44                     | 0.53         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 3.115             | 0.000          | 4       | 1    | 1          | 1            |
| 616604       | PL.7444     | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.44                     | 0.37         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 3.115             | 0.000          | 3       | 0    | 1          | 1            |
| PL.7501      | PL.26370    | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.42                     | 3.88         | 2        | 29         | 4    | 99      | 0.00       | 0.0       | 3.028             | 0.012          | 0       | 0    | 0          | 5            |
| 616601       | PL.7501     | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.42                     | 0.66         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 3.028             | 0.000          | 5       | 1    | 1          | 1            |
| PL.7430      | PL.7501     | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.42                     | 3.22         | 2        | 24         | 3    | 99      | 0.00       | 0.0       | 3.041             | 0.013          | 0       | 0    | 0          | 4            |
| PL.7429      | PL.7430     | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.42                     | 2.59         | 1        | 19         | 3    | 99      | 0.00       | 0.0       | 3.042             | 0.001          | 0       | 0    | 0          | 3            |
| PL.3386      | PL.7429     | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.43                     | 2.59         | 1        | 19         | 3    | 99      | 0.00       | 0.0       | 3.068             | 0.026          | 0       | 0    | 0          | 3            |
| 615603       | PL.3386     | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.43                     | 1.44         | 0        | 11         | 1    | 100     | 0.00       | 0.0       | 3.068             | 0.000          | 11      | 1    | 1          | 1            |
| PL.3782      | PL.3386     | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.43                     | 1.15         | 1        | 8          | 1    | 99      | 0.00       | 0.0       | 3.086             | 0.017          | 0       | 0    | 0          | 2            |
| PL.3390      | PL.3782     | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.43                     | 1.15         | 1        | 8          | 1    | 99      | 0.00       | 0.0       | 3.098             | 0.013          | 0       | 0    | 0          | 2            |
| 615604       | PL.3390     | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.43                     | 0.07         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 3.098             | 0.000          | 1       | 0    | 1          | 1            |
| 615602       | PL.3390     | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.43                     | 1.08         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 3.098             | 0.000          | 8       | 1    | 1          | 1            |
| 615601       | PL.7430     | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.42                     | 0.63         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 3.041             | 0.000          | 5       | 1    | 1          | 1            |
| PL.3389      | PL.26370    | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.42                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.030             | 0.014          | 0       | 0    | 0          | 0            |
| 616603       | PL.7426     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.41                     | 0.54         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 2.999             | 0.000          | 4       | 1    | 1          | 1            |
| PL.39569     | PL.26466    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.34                     | 0.49         | 0        | 4          | 0    | 100     | 0.00       | 0.0       | 2.864             | 0.004          | 0       | 0    | 0          | 1            |
| PD.6975      | PL.39569    | A   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.34                     | 0.49         | 8        | 4          | 0    | 100     | 0.00       | 0.0       | 2.864             | 0.000          | 0       | 0    | 0          | 1            |
| PL.39570     | PD.6975     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.34                     | 0.49         | 0        | 4          | 0    | 100     | 0.00       | 0.0       | 2.905             | 0.042          | 0       | 0    | 0          | 1            |
| 615701       | PL.39570    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.34                     | 0.49         | 0        | 4          | 0    | 100     | 0.00       | 0.0       | 2.905             | 0.000          | 4       | 0    | 1          | 1            |
| 614703       | PL.20063    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.26                     | 0.45         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 2.738             | 0.000          | 3       | 0    | 1          | 1            |
| 614702       | PL.7414     | C   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.07                     | 0.69         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 2.699             | 0.000          | 5       | 1    | 1          | 1            |
| PL.3392      | PL.17542    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.32         | 0        | 2          | 1    | 89      | 0.00       | 0.0       | 2.650             | 0.048          | 0       | 0    | 0          | 1            |
|              |             | B   |                    | 7.41Y     | 123.5        | -0.00           | 2.55                     | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                | 0       | 0    | 0          | 0            |
|              |             | C   |                    | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                | 0       | 0    | 0          | 0            |
| 614806       | PL.3392     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.32         | 0        | 2          | 1    | 89      | 0.00       | 0.0       | 2.650             | 0.000          | 2       | 1    | 1          | 1            |
| PL.3783      | PL.26468    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.92         | 0        | 6          | 3    | 89      | 0.00       | 0.0       | 2.625             | 0.046          | 0       | 0    | 0          | 0            |
|              |             | B   |                    | 7.41Y     | 123.4        | 0.00            | 2.55                     | 0.92         | 0        | 6          | 3    | 90      |            |           |                   |                | 0       | 0    | 0          | 0            |
|              |             | C   |                    | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.92         | 0        | 6          | 3    | 90      |            |           |                   |                | 0       | 0    | 0          | 0            |
| 614805       | PL.3783     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.92         | 0        | 6          | 3    | 89      | 0.00       | 0.0       | 2.625             | 0.000          | 6       | 3    | 0          | 0            |
|              |             | B   |                    | 7.41Y     | 123.4        | 0.00            | 2.55                     | 0.92         | 0        | 6          | 3    | 90      |            |           |                   |                | 6       | 3    | 0          | 0            |
|              |             | C   |                    | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.92         | 0        | 6          | 3    | 90      |            |           |                   |                | 6       | 3    | 0          | 0            |
| PL.20605     | PL.26471    | A   | 1/0ACSR            | 7.43Y     | 123.8        | 0.00            | 2.18                     | 12.55        | 4        | 92         | 15   | 99      | 0.16       | 0.0       | 2.607             | 0.059          | 0       | 0    | 0          | 30           |
|              |             | B   |                    | 7.40Y     | 123.4        | 0.05            | 2.60                     | 32.67        | 10       | 238        | 44   | 98      |            |           |                   |                | 0       | 0    | 0          | 70           |
|              |             | C   |                    | 7.43Y     | 123.9        | 0.04            | 2.09                     | 41.06        | 12       | 301        | 54   | 98      |            |           |                   |                | 0       | 0    | 0          | 85           |
| PL.20606     | PL.20605    | A   | 1/0ACSR            | 7.43Y     | 123.8        | -0.00           | 2.18                     | 11.50        | 3        | 85         | 12   | 99      | 0.06       | 0.0       | 2.632             | 0.025          | 0       | 0    | 0          | 30           |
|              |             | B   |                    | 7.40Y     | 123.4        | 0.02            | 2.62                     | 31.61        | 10       | 231        | 41   | 98      |            |           |                   |                | 0       | 0    | 0          | 70           |
|              |             | C   |                    | 7.43Y     | 123.9        | 0.02            | 2.11                     | 40.01        | 12       | 293        | 50   | 99      |            |           |                   |                | 0       | 0    | 0          | 85           |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like 614803, 614802, PL.7502, 615901, PL.45749, PL.45750, 615903, 615914, 615902, 615909, 615911, PL.17278, PD.2352-A, PD.2352-B, PL.17279, PL.17280, PL.3765, 615904, 615913, 615910, PL.13315, PL.13314, PL.17285, PD.2912, PL.17286, PL.13245, PL.4628, PL.4629.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 073916, 073913, etc.



Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.42272, 0739024, PL.42273, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

|              |             | Units Displayed In Volts |                    |           |              |                 |               |              |          |            |      |         |            |           |                   |                |                   |      |            |              |
|--------------|-------------|--------------------------|--------------------|-----------|--------------|-----------------|---------------|--------------|----------|------------|------|---------|------------|-----------|-------------------|----------------|-------------------|------|------------|--------------|
|              |             | -Base Voltage:120.0-     |                    |           |              |                 |               |              |          |            |      |         |            |           |                   |                |                   |      |            |              |
| Element Name | Parent Name | Cnf                      | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |      | Cons<br>On | Cons<br>Thru |
|              |             |                          |                    |           |              |                 |               |              |          |            |      |         |            |           |                   |                | KW                | KVAR |            |              |
| PD.496-B     | PD.496-A    | A                        | Closed             | 7.45Y     | 124.1        | 0.00            | 1.89          | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 4.452             | 0.000          | 0                 | 0    | 0          | 0            |
|              |             | B                        |                    | 7.34Y     | 122.4        | 0.00            | 3.65          | 17.75        | 0        | 128        | 26   | 98      |            |           |                   |                | 0                 | 0    | 0          | 37           |
|              |             | C                        |                    | 7.39Y     | 123.1        | 0.00            | 2.86          | 33.07        | 0        | 242        | 37   | 99      |            |           |                   |                | 0                 | 0    | 0          | 71           |
| PL.16863     | PD.496-B    | A                        | 336ACSR            | 7.45Y     | 124.1        | -0.00           | 1.89          | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 4.458             | 0.005          | 0                 | 0    | 0          | 0            |
|              |             | B                        |                    | 7.34Y     | 122.4        | 0.00            | 3.65          | 17.75        | 2        | 128        | 26   | 98      |            |           |                   |                | 0                 | 0    | 0          | 37           |
|              |             | C                        |                    | 7.39Y     | 123.1        | 0.00            | 2.86          | 33.07        | 5        | 242        | 37   | 99      |            |           |                   |                | 0                 | 0    | 0          | 71           |
| 074916       | PL.16863    | C                        | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.86          | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 4.458             | 0.000          | 0                 | 0    | 0          | 0            |
| 074919       | PL.16863    | B                        | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.65          | 0.11         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 4.458             | 0.000          | 1                 | 0    | 1          | 1            |
| PL.4758      | PL.16863    | B                        | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.66          | 2.12         | 1        | 15         | 2    | 99      | 0.00       | 0.0       | 4.532             | 0.074          | 0                 | 0    | 0          | 5            |
| PL.4759      | PL.4758     | B                        | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.66          | 2.12         | 1        | 15         | 2    | 99      | 0.00       | 0.0       | 4.604             | 0.072          | 0                 | 0    | 0          | 5            |
| 074917       | PL.4759     | B                        | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.66          | 0.11         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 4.604             | 0.000          | 1                 | 0    | 1          | 1            |
| PL.4756      | PL.4759     | B                        | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.67          | 2.01         | 1        | 15         | 2    | 99      | 0.00       | 0.0       | 4.664             | 0.060          | 0                 | 0    | 0          | 4            |
| PL.4757      | PL.4756     | B                        | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.67          | 0.38         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 4.732             | 0.068          | 0                 | 0    | 0          | 1            |
| 074918       | PL.4757     | B                        | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.67          | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 4.732             | 0.000          | 0                 | 0    | 0          | 0            |
| 074938       | PL.4757     | B                        | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.67          | 0.38         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 4.732             | 0.000          | 3                 | 0    | 1          | 1            |
| PL.4685      | PL.4756     | B                        | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.67          | 1.63         | 1        | 12         | 2    | 99      | 0.00       | 0.0       | 4.721             | 0.057          | 0                 | 0    | 0          | 3            |
| PL.8100      | PL.4685     | B                        | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.67          | 1.63         | 1        | 12         | 2    | 99      | 0.00       | 0.0       | 4.722             | 0.000          | 0                 | 0    | 0          | 3            |
| 074942       | PL.8100     | B                        | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.67          | 0.49         | 0        | 4          | 0    | 100     | 0.00       | 0.0       | 4.722             | 0.000          | 4                 | 0    | 1          | 1            |
| 074966       | PL.8100     | B                        | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.67          | 0.58         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 4.722             | 0.000          | 4                 | 1    | 1          | 1            |
| PL.8101      | PL.8100     | B                        | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.67          | 0.56         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 4.795             | 0.073          | 0                 | 0    | 0          | 1            |
| 074923       | PL.8101     | B                        | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.67          | 0.56         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 4.795             | 0.000          | 4                 | 1    | 1          | 1            |
| PL.21225     | PL.16863    | A                        | 336ACSR            | 7.45Y     | 124.1        | -0.01           | 1.88          | 0.00         | 0        | 0          | 0    | 100     | 0.03       | 0.0       | 4.512             | 0.054          | 0                 | 0    | 0          | 0            |
|              |             | B                        |                    | 7.34Y     | 122.3        | 0.02            | 3.66          | 15.52        | 2        | 111        | 24   | 98      |            |           |                   |                | 0                 | 0    | 0          | 31           |
|              |             | C                        |                    | 7.39Y     | 123.1        | 0.01            | 2.87          | 33.07        | 5        | 242        | 37   | 99      |            |           |                   |                | 0                 | 0    | 0          | 71           |
| PL.21134     | PL.21225    | A                        | 336ACSR            | 7.45Y     | 124.1        | -0.01           | 1.87          | 0.00         | 0        | 0          | 0    | 100     | 0.02       | 0.0       | 4.559             | 0.047          | 0                 | 0    | 0          | 0            |
|              |             | B                        |                    | 7.34Y     | 122.3        | 0.01            | 3.68          | 15.35        | 2        | 110        | 23   | 98      |            |           |                   |                | 0                 | 0    | 0          | 30           |
|              |             | C                        |                    | 7.39Y     | 123.1        | 0.01            | 2.88          | 33.07        | 5        | 242        | 37   | 99      |            |           |                   |                | 0                 | 0    | 0          | 71           |
| PL.21135     | PL.21134    | A                        | 336ACSR            | 7.45Y     | 124.1        | -0.01           | 1.86          | 0.00         | 0        | 0          | 0    | 100     | 0.04       | 0.0       | 4.635             | 0.076          | 0                 | 0    | 0          | 0            |
|              |             | B                        |                    | 7.34Y     | 122.3        | 0.02            | 3.70          | 15.35        | 2        | 110        | 23   | 98      |            |           |                   |                | 0                 | 0    | 0          | 30           |
|              |             | C                        |                    | 7.39Y     | 123.1        | 0.01            | 2.89          | 33.07        | 5        | 242        | 37   | 99      |            |           |                   |                | 0                 | 0    | 0          | 71           |
| 074928       | PL.21135    | B                        | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.70          | 1.59         | 0        | 12         | 2    | 99      | 0.00       | 0.0       | 4.635             | 0.000          | 12                | 2    | 1          | 1            |
| 074914       | PL.21135    | B                        | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.70          | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 4.635             | 0.000          | 1                 | 0    | 1          | 1            |
| PL.21133     | PL.21135    | A                        | 336ACSR            | 7.45Y     | 124.1        | -0.01           | 1.85          | 0.00         | 0        | 0          | 0    | 100     | 0.01       | 0.0       | 4.663             | 0.028          | 0                 | 0    | 0          | 0            |
|              |             | B                        |                    | 7.34Y     | 122.3        | 0.01            | 3.71          | 13.68        | 2        | 98         | 22   | 98      |            |           |                   |                | 0                 | 0    | 0          | 28           |
|              |             | C                        |                    | 7.39Y     | 123.1        | 0.01            | 2.90          | 33.07        | 5        | 242        | 36   | 99      |            |           |                   |                | 0                 | 0    | 0          | 71           |
| 074951       | PL.21133    | B                        | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71          | 1.02         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 4.663             | 0.000          | 7                 | 1    | 1          | 1            |
| 074953       | PL.21133    | B                        | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71          | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 4.663             | 0.000          | 2                 | 0    | 1          | 1            |
| PL.21132     | PL.21133    | A                        | 336ACSR            | 7.45Y     | 124.2        | -0.00           | 1.85          | 0.00         | 0        | 0          | 0    | 100     | 0.01       | 0.0       | 4.687             | 0.024          | 0                 | 0    | 0          | 0            |
|              |             | B                        |                    | 7.34Y     | 122.3        | 0.01            | 3.71          | 12.32        | 2        | 88         | 20   | 97      |            |           |                   |                | 0                 | 0    | 0          | 26           |
|              |             | C                        |                    | 7.39Y     | 123.1        | 0.01            | 2.90          | 33.07        | 5        | 242        | 36   | 99      |            |           |                   |                | 0                 | 0    | 0          | 71           |
| PL.22671     | PL.21132    | A                        | 336ACSR            | 7.45Y     | 124.2        | -0.01           | 1.84          | 0.00         | 0        | 0          | 0    | 100     | 0.02       | 0.0       | 4.731             | 0.044          | 0                 | 0    | 0          | 0            |
|              |             | B                        |                    | 7.34Y     | 122.3        | 0.01            | 3.72          | 12.32        | 2        | 88         | 20   | 97      |            |           |                   |                | 0                 | 0    | 0          | 26           |
|              |             | C                        |                    | 7.39Y     | 123.1        | 0.01            | 2.91          | 33.07        | 5        | 242        | 36   | 99      |            |           |                   |                | 0                 | 0    | 0          | 71           |
| PL.17635     | PL.22671    | A                        | 336ACSR            | 7.45Y     | 124.2        | -0.02           | 1.82          | 0.00         | 0        | 0          | 0    | 100     | 0.05       | 0.0       | 4.845             | 0.113          | 0                 | 0    | 0          | 0            |
|              |             | B                        |                    | 7.33Y     | 122.2        | 0.03            | 3.75          | 12.32        | 2        | 88         | 20   | 97      |            |           |                   |                | 0                 | 0    | 0          | 26           |
|              |             | C                        |                    | 7.38Y     | 123.1        | 0.02            | 2.94          | 33.07        | 5        | 242        | 36   | 99      |            |           |                   |                | 0                 | 0    | 0          | 71           |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PD.11-A, PD.11-B, PL.17636, PL.4928, 075913, 075938, PL.13237, PL.25293, 075921, PL.13232, PL.13233, PL.17699, PD.2225, PL.17700, PL.13234, 075905, PL.17697, PL.17698, PL.38845, PD.6739, PL.38846, PL.38811, PL.17694, PL.17693, PL.17695, PD.2237, PL.17696, PL.4934, PL.4937.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and '-Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| PL.25251     | PL.25250    | B   | 4ACSR              | 7.32Y     | 121.9        | 0.00            | 4.06                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.073                               | 0.111 | 0    | 0          | 0            | 1    |
| 076805       | PL.25251    | B   | Consumer           | 7.32Y     | 121.9        | 0.00            | 4.06                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.073                               | 0.000 | 0    | 0          | 1            | 1    |
| 076803       | PL.43710    | B   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.04                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.600                               | 0.000 | 2    | 0          | 1            | 1    |
| 076925       | PL.13225    | B   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.03                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.313                               | 0.000 | 0    | 0          | 0            | 0    |
| 075902       | PL.13225    | B   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.03                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.313                               | 0.000 | 2    | 0          | 1            | 1    |
| PL.4933      | PD.3788     | B   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.02                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 6.291                               | 0.082 | 0    | 0          | 0            | 1    |
| 076941       | PL.4933     | B   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.02                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.291                               | 0.000 | 0    | 0          | 0            | 0    |
| 076955       | PL.4933     | B   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.02                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 6.291                               | 0.000 | 6    | 1          | 1            | 1    |
| 075926       | PL.38811    | B   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.98                     | 0.20         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.912                               | 0.000 | 1    | 0          | 1            | 1    |
| PL.38812     | PL.38846    | B   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 3.97                     | 2.05         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 5.877                               | 0.040 | 0    | 0          | 0            | 2    |
| 075939       | PL.38812    | B   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.97                     | 0.67         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.877                               | 0.000 | 5    | 1          | 1            | 1    |
| 075942       | PL.38812    | B   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.97                     | 1.38         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 5.877                               | 0.000 | 10   | 1          | 1            | 1    |
| PL.46019     | PL.17698    | C   | 4ACSR              | 7.37Y     | 122.8        | 0.03            | 3.16                     | 33.07        | 17       | 241        | 35      | 99         | 0.05      | 0.0               | 5.649                               | 0.019 | 0    | 0          | 0            | 71   |
| PD.8708      | PL.46019    | C   | 50E                | 7.37Y     | 122.8        | 0.00            | 3.16                     | 33.07        | 66       | 241        | 35      | 99         | 0.00      | 0.0               | 5.649                               | 0.000 | 0    | 0          | 0            | 71   |
| PL.46020     | PD.8708     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.14            | 3.30                     | 33.07        | 17       | 241        | 35      | 99         | 0.26      | 0.1               | 5.748                               | 0.099 | 0    | 0          | 0            | 71   |
| PL.13231     | PL.46020    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.06            | 3.36                     | 31.79        | 16       | 232        | 33      | 99         | 0.11      | 0.0               | 5.794                               | 0.045 | 0    | 0          | 0            | 66   |
| PL.31029     | PL.13231    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.36                     | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.836                               | 0.043 | 0    | 0          | 0            | 1    |
| 076952       | PL.31029    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.36                     | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.836                               | 0.000 | 5    | 1          | 1            | 1    |
| 076906       | PL.13231    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.794                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.38816     | PL.13231    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.01            | 3.37                     | 29.45        | 15       | 215        | 31      | 99         | 0.01      | 0.0               | 5.800                               | 0.006 | 0    | 0          | 0            | 62   |
| PL.38817     | PL.38816    | C   | 4ACSR              | 7.34Y     | 122.4        | 0.26            | 3.62                     | 29.45        | 15       | 214        | 31      | 99         | 0.42      | 0.2               | 6.003                               | 0.203 | 0    | 0          | 0            | 62   |
| PL.39503     | PL.38817    | C   | 4ACSR              | 7.34Y     | 122.4        | 0.01            | 3.64                     | 27.32        | 14       | 199        | 28      | 99         | 0.02      | 0.0               | 6.014                               | 0.011 | 0    | 0          | 0            | 58   |
| 0769061      | PL.39503    | C   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.64                     | 0.91         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 6.014                               | 0.000 | 7    | 1          | 1            | 1    |
| PL.39502     | PL.39503    | C   | 4ACSR              | 7.34Y     | 122.3        | 0.07            | 3.71                     | 26.40        | 14       | 192        | 27      | 99         | 0.10      | 0.1               | 6.076                               | 0.062 | 0    | 0          | 0            | 57   |
| PL.4478      | PL.39502    | C   | 4ACSR              | 7.33Y     | 122.2        | 0.07            | 3.78                     | 25.09        | 13       | 182        | 26      | 99         | 0.10      | 0.1               | 6.141                               | 0.065 | 0    | 0          | 0            | 54   |
| PL.4480      | PL.4478     | C   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.78                     | 0.48         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 6.205                               | 0.065 | 0    | 0          | 0            | 1    |
| 076927       | PL.4480     | C   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.78                     | 0.48         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 6.205                               | 0.000 | 3    | 0          | 1            | 1    |
| PL.4477      | PL.4478     | C   | 4ACSR              | 7.33Y     | 122.2        | 0.03            | 3.81                     | 24.61        | 13       | 179        | 25      | 99         | 0.04      | 0.0               | 6.170                               | 0.030 | 0    | 0          | 0            | 53   |
| 076908       | PL.4477     | C   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.170                               | 0.000 | 2    | 0          | 1            | 1    |
| PL.16868     | PL.4477     | C   | 4ACSR              | 7.32Y     | 122.0        | 0.15            | 3.95                     | 24.40        | 13       | 177        | 25      | 99         | 0.20      | 0.1               | 6.310                               | 0.140 | 0    | 0          | 0            | 52   |
| C PD.2232    | PL.16868    | C   | fuse6AMP           | 7.32Y     | 122.0        | 0.00            | 3.95                     | 24.40        | 417      | 177        | 25      | 99         | 0.00      | 0.0               | 6.310                               | 0.000 | 0    | 0          | 0            | 52 C |
| PL.16867     | PD.2232     | C   | 4ACSR              | 7.32Y     | 122.0        | 0.01            | 3.96                     | 24.40        | 13       | 177        | 25      | 99         | 0.01      | 0.0               | 6.315                               | 0.005 | 0    | 0          | 0            | 52   |
| PL.4692      | PL.16867    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 3.96                     | 0.71         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 6.448                               | 0.133 | 0    | 0          | 0            | 1    |
| 076950       | PL.4692     | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.96                     | 0.71         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 6.448                               | 0.000 | 5    | 1          | 1            | 1    |
| PL.13829     | PL.16867    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.01            | 3.97                     | 2.83         | 1        | 21         | 3       | 99         | 0.00      | 0.0               | 6.376                               | 0.060 | 0    | 0          | 0            | 9    |
| PL.13828     | PL.13829    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.01            | 3.98                     | 2.55         | 1        | 19         | 3       | 99         | 0.00      | 0.0               | 6.504                               | 0.128 | 0    | 0          | 0            | 8    |
| PL.13827     | PL.13828    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.01            | 3.99                     | 2.55         | 1        | 18         | 3       | 99         | 0.00      | 0.0               | 6.608                               | 0.104 | 0    | 0          | 0            | 7    |
| 076903       | PL.13827    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.99                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.608                               | 0.000 | 0    | 0          | 1            | 1    |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 076948       | PL.13827    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.99   | 0.41         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 6.608                               | 0.000 | 3    | 0          | 1            | 1         |
| 076918       | PL.13827    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.99   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.608                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.13826     | PL.13827    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.01            | 4.00   | 2.11         | 1        | 15         | 2    | 99      | 0.00       | 0.0               | 6.689                               | 0.081 | 0    | 0          | 0            | 5         |
| PL.16873     | PL.13826    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.64         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 6.694                               | 0.005 | 0    | 0          | 0            | 1         |
| PD.2229      | PL.16873    | C   | fuse6AMP           | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.64         | 11       | 5          | 1    | 98      | 0.00       | 0.0               | 6.694                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.16874     | PD.2229     | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.64         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 6.782                               | 0.088 | 0    | 0          | 0            | 1         |
| 076942       | PL.16874    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.64         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 6.782                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.13229     | PL.13826    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 6.782                               | 0.094 | 0    | 0          | 0            | 1         |
| PL.16877     | PL.13229    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.788                               | 0.006 | 0    | 0          | 0            | 0         |
| 076923       | PL.13229    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 6.782                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.13228     | PL.13229    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.860                               | 0.078 | 0    | 0          | 0            | 0         |
| PL.16875     | PL.13228    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.866                               | 0.006 | 0    | 0          | 0            | 0         |
| PD.2228      | PL.16875    | C   | fuse6AMP           | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.866                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.16876     | PD.2228     | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.935                               | 0.069 | 0    | 0          | 0            | 0         |
| 076934       | PL.16876    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.935                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.16871     | PL.13826    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.00   | 1.32         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 6.694                               | 0.005 | 0    | 0          | 0            | 3         |
| PD.2230      | PL.16871    | C   | fuse6AMP           | 7.32Y     | 122.0        | 0.00            | 4.00   | 1.32         | 23       | 10         | 1    | 100     | 0.00       | 0.0               | 6.694                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.16872     | PD.2230     | C   | 4ACSR              | 7.32Y     | 122.0        | 0.01            | 4.01   | 1.32         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 6.798                               | 0.104 | 0    | 0          | 0            | 3         |
| PL.25252     | PL.16872    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.01   | 0.48         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 6.824                               | 0.025 | 0    | 0          | 0            | 1         |
| 076901       | PL.25252    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.01   | 0.48         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 6.824                               | 0.000 | 3    | 0          | 1            | 1         |
| 076929       | PL.16872    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.01   | 0.37         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 6.798                               | 0.000 | 3    | 0          | 1            | 1         |
| 076917       | PL.16872    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.01   | 0.47         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 6.798                               | 0.000 | 3    | 0          | 1            | 1         |
| PL.16869     | PL.13828    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 3.98   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.510                               | 0.006 | 0    | 0          | 0            | 1         |
| PD.2231      | PL.16869    | C   | fuse6AMP           | 7.32Y     | 122.0        | 0.00            | 3.98   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.510                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.16870     | PD.2231     | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 3.98   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.580                               | 0.070 | 0    | 0          | 0            | 1         |
| 076921       | PL.16870    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.98   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.580                               | 0.000 | 0    | 0          | 1            | 1         |
| 076924       | PL.13829    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.97   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.376                               | 0.000 | 0    | 0          | 0            | 0         |
| 076905       | PL.13829    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.97   | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 6.376                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.13830     | PL.16867    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.09            | 4.05   | 20.86        | 11       | 151        | 21   | 99      | 0.10       | 0.1               | 6.415                               | 0.100 | 0    | 0          | 0            | 42        |
| 076932       | PL.13830    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.05   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.415                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.25249     | PL.13830    | C   | 4ACSR              | 7.31Y     | 121.8        | 0.12            | 4.17   | 20.86        | 11       | 151        | 21   | 99      | 0.14       | 0.1               | 6.551                               | 0.136 | 0    | 0          | 0            | 42        |
| 076944       | PL.25249    | C   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.17   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.551                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.25248     | PL.25249    | C   | 4ACSR              | 7.31Y     | 121.8        | 0.04            | 4.21   | 19.51        | 10       | 141        | 20   | 99      | 0.04       | 0.0               | 6.596                               | 0.045 | 0    | 0          | 0            | 40        |
| PL.13831     | PL.25248    | C   | 4ACSR              | 7.30Y     | 121.7        | 0.10            | 4.30   | 19.51        | 10       | 141        | 20   | 99      | 0.11       | 0.1               | 6.712                               | 0.116 | 0    | 0          | 0            | 40        |
| PL.27185     | PL.13831    | C   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.30   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.718                               | 0.005 | 0    | 0          | 0            | 0         |
| PD.2234      | PL.27185    | C   | fuse6AMP           | 7.30Y     | 121.7        | 0.00            | 4.30   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.718                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.16864     | PD.2234     | C   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.30   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.748                               | 0.031 | 0    | 0          | 0            | 0         |
| PL.13832     | PL.13831    | C   | 4ACSR              | 7.30Y     | 121.6        | 0.08            | 4.38   | 19.51        | 10       | 141        | 20   | 99      | 0.09       | 0.1               | 6.807                               | 0.095 | 0    | 0          | 0            | 40        |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for Units Displayed In Volts and Base Voltage: 120.0-

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |            | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW | KVAR | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------------|------|---------|------------|-----------|-------------------|-------------------------------------|----|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | Thru<br>KW |      |         |            |           |                   |                                     |    |      |            |              |
| 077906       | PL.19563    | C   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.32         | 0        | 2          | 0          | 100  | 0.00    | 0.0        | 6.915     | 0.000             | 2                                   | 0  | 1    | 1          |              |
| PL.19564     | PL.19563    | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.04         | 0        | 0          | 0          | 100  | 0.00    | 0.0        | 6.938     | 0.022             | 0                                   | 0  | 0    | 1          |              |
| PL.8236      | PL.19564    | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.04         | 0        | 0          | 0          | 100  | 0.00    | 0.0        | 6.956     | 0.019             | 0                                   | 0  | 0    | 1          |              |
| 077904       | PL.8236     | C   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.04         | 0        | 0          | 0          | 100  | 0.00    | 0.0        | 6.956     | 0.000             | 0                                   | 0  | 1    | 1          |              |
| 077909       | PL.8236     | C   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.00         | 0        | 0          | 0          | 100  | 0.00    | 0.0        | 6.956     | 0.000             | 0                                   | 0  | 0    | 0          |              |
| PL.13835     | PL.31030    | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.00         | 0        | 0          | 0          | 100  | 0.00    | 0.0        | 6.898     | 0.005             | 0                                   | 0  | 0    | 0          |              |
| PL.27181     | PL.13832    | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.38                     | 0.87         | 0        | 6          | 1          | 99   | 0.00    | 0.0        | 6.812     | 0.006             | 0                                   | 0  | 0    | 1          |              |
| PD.2235      | PL.27181    | C   | fuse6AMP           | 7.30Y     | 121.6        | 0.00            | 4.38                     | 0.87         | 15       | 6          | 1          | 99   | 0.00    | 0.0        | 6.812     | 0.000             | 0                                   | 0  | 0    | 1          |              |
| PL.27182     | PD.2235     | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.38                     | 0.87         | 0        | 6          | 1          | 99   | 0.00    | 0.0        | 6.857     | 0.045             | 0                                   | 0  | 0    | 1          |              |
| 076915       | PL.27182    | C   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.38                     | 0.87         | 0        | 6          | 1          | 99   | 0.00    | 0.0        | 6.857     | 0.000             | 6                                   | 1  | 1    | 1          |              |
| PL.27179     | PL.13832    | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.38                     | 0.29         | 0        | 2          | 0          | 100  | 0.00    | 0.0        | 6.812     | 0.005             | 0                                   | 0  | 0    | 1          |              |
| PD.2236      | PL.27179    | C   | fuse6AMP           | 7.30Y     | 121.6        | 0.00            | 4.38                     | 0.29         | 5        | 2          | 0          | 100  | 0.00    | 0.0        | 6.812     | 0.000             | 0                                   | 0  | 0    | 1          |              |
| PL.27180     | PD.2236     | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.38                     | 0.29         | 0        | 2          | 0          | 100  | 0.00    | 0.0        | 6.825     | 0.013             | 0                                   | 0  | 0    | 1          |              |
| PL.25247     | PL.27180    | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.38                     | 0.29         | 0        | 2          | 0          | 100  | 0.00    | 0.0        | 6.923     | 0.098             | 0                                   | 0  | 0    | 1          |              |
| PL.4476      | PL.25247    | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.38                     | 0.29         | 0        | 2          | 0          | 100  | 0.00    | 0.0        | 6.969     | 0.046             | 0                                   | 0  | 0    | 1          |              |
| PL.4475      | PL.4476     | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.39                     | 0.29         | 0        | 2          | 0          | 100  | 0.00    | 0.0        | 7.025     | 0.056             | 0                                   | 0  | 0    | 1          |              |
| 076933       | PL.4475     | C   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39                     | 0.29         | 0        | 2          | 0          | 100  | 0.00    | 0.0        | 7.025     | 0.000             | 2                                   | 0  | 1    | 1          |              |
| 076920       | PL.27180    | C   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.38                     | 0.00         | 0        | 0          | 0          | 100  | 0.00    | 0.0        | 6.825     | 0.000             | 0                                   | 0  | 0    | 0          |              |
| PL.27183     | PL.13832    | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.39                     | 14.06        | 7        | 102        | 14         | 99   | 0.00    | 0.0        | 6.812     | 0.005             | 0                                   | 0  | 0    | 26         |              |
| PD.10-A      | PL.27183    | C   | Closed             | 7.30Y     | 121.6        | 0.00            | 4.39                     | 14.06        | 0        | 102        | 14         | 99   | 0.00    | 0.0        | 6.812     | 0.000             | 0                                   | 0  | 0    | 26         |              |
| PD.10-B      | PD.10-A     | C   | Closed             | 7.30Y     | 121.6        | 0.00            | 4.39                     | 14.06        | 0        | 102        | 14         | 99   | 0.00    | 0.0        | 6.812     | 0.000             | 0                                   | 0  | 0    | 26         |              |
| PL.27184     | PD.10-B     | C   | 4ACSR              | 7.29Y     | 121.5        | 0.09            | 4.47                     | 14.06        | 7        | 102        | 14         | 99   | 0.07    | 0.1        | 6.960     | 0.148             | 0                                   | 0  | 0    | 26         |              |
| PL.13833     | PL.27184    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.03            | 4.50                     | 14.06        | 7        | 102        | 14         | 99   | 0.02    | 0.0        | 7.008     | 0.048             | 0                                   | 0  | 0    | 26         |              |
| PL.30865     | PL.13833    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.50                     | 0.75         | 0        | 5          | 1          | 98   | 0.00    | 0.0        | 7.008     | 0.000             | 0                                   | 0  | 0    | 3          |              |
| PD.3791      | PL.30865    | C   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.50                     | 0.75         | 13       | 5          | 1          | 98   | 0.00    | 0.0        | 7.008     | 0.000             | 0                                   | 0  | 0    | 3          |              |
| PL.30866     | PD.3791     | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.50                     | 0.75         | 0        | 5          | 1          | 98   | 0.00    | 0.0        | 7.046     | 0.038             | 0                                   | 0  | 0    | 3          |              |
| PL.4702      | PL.30866    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.51                     | 0.75         | 0        | 5          | 1          | 98   | 0.00    | 0.0        | 7.077     | 0.031             | 0                                   | 0  | 0    | 3          |              |
| PL.4711      | PL.4702     | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.51                     | 0.75         | 0        | 5          | 1          | 98   | 0.00    | 0.0        | 7.206     | 0.129             | 0                                   | 0  | 0    | 2          |              |
| PL.4712      | PL.4711     | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.51                     | 0.75         | 0        | 5          | 1          | 98   | 0.00    | 0.0        | 7.301     | 0.095             | 0                                   | 0  | 0    | 2          |              |
| 077912       | PL.4712     | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.51                     | 0.40         | 0        | 3          | 0          | 100  | 0.00    | 0.0        | 7.301     | 0.000             | 3                                   | 0  | 1    | 1          |              |
| 077911       | PL.4712     | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.51                     | 0.34         | 0        | 2          | 0          | 100  | 0.00    | 0.0        | 7.301     | 0.000             | 2                                   | 0  | 1    | 1          |              |
| 077905       | PL.4702     | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.51                     | 0.00         | 0        | 0          | 0          | 100  | 0.00    | 0.0        | 7.077     | 0.000             | 0                                   | 0  | 1    | 1          |              |
| PL.13834     | PL.13833    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.04            | 4.54                     | 13.32        | 7        | 96         | 13         | 99   | 0.03    | 0.0        | 7.073     | 0.065             | 0                                   | 0  | 0    | 23         |              |
| PL.240       | PL.13834    | C   | 4ACSR              | 7.29Y     | 121.4        | 0.03            | 4.57                     | 13.32        | 7        | 96         | 13         | 99   | 0.02    | 0.0        | 7.124     | 0.051             | 0                                   | 0  | 0    | 23         |              |
| PL.13040     | PL.240      | C   | 4ACSR              | 7.28Y     | 121.4        | 0.04            | 4.61                     | 13.32        | 7        | 96         | 13         | 99   | 0.03    | 0.0        | 7.198     | 0.074             | 0                                   | 0  | 0    | 23         |              |
| PL.8479      | PL.13040    | C   | 4ACSR              | 7.28Y     | 121.4        | 0.01            | 4.63                     | 3.45         | 2        | 25         | 3          | 99   | 0.00    | 0.0        | 7.290     | 0.092             | 0                                   | 0  | 0    | 6          |              |
| 086213       | PL.8479     | C   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.63                     | 1.01         | 0        | 7          | 1          | 99   | 0.00    | 0.0        | 7.290     | 0.000             | 7                                   | 1  | 1    | 1          |              |
| PL.17887     | PL.8479     | C   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.63                     | 0.55         | 0        | 4          | 1          | 97   | 0.00    | 0.0        | 7.303     | 0.013             | 0                                   | 0  | 0    | 1          |              |



Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and '-Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| 087202       | PL.25302    | C   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.73                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.512                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.30877     | PL.25302    | C   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.73                     | 7.87         | 4        | 57         | 8       | 99         | 0.00      | 0.0               | 7.528                               | 0.016 | 0    | 0          | 0            | 14   |
| PD.3798-A    | PL.30877    | C   | Closed             | 7.28Y     | 121.3        | 0.00            | 4.73                     | 7.87         | 0        | 57         | 8       | 99         | 0.00      | 0.0               | 7.528                               | 0.000 | 0    | 0          | 0            | 14   |
| PD.3798-B    | PD.3798-A   | C   | Closed             | 7.28Y     | 121.3        | 0.00            | 4.73                     | 7.87         | 0        | 57         | 8       | 99         | 0.00      | 0.0               | 7.528                               | 0.000 | 0    | 0          | 0            | 14   |
| PL.30878     | PD.3798-B   | C   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.73                     | 7.87         | 4        | 57         | 8       | 99         | 0.00      | 0.0               | 7.530                               | 0.002 | 0    | 0          | 0            | 14   |
| PL.30889     | PL.30878    | C   | 4ACSR              | 7.27Y     | 121.2        | 0.02            | 4.76                     | 6.66         | 3        | 48         | 7       | 99         | 0.01      | 0.0               | 7.608                               | 0.078 | 0    | 0          | 0            | 12   |
| C PD.3799    | PL.30889    | C   | fuse6AMP           | 7.27Y     | 121.2        | 0.00            | 4.76                     | 6.66         | 114      | 48         | 7       | 99         | 0.00      | 0.0               | 7.608                               | 0.000 | 0    | 0          | 0            | 12 C |
| PL.30890     | PD.3799     | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.76                     | 6.66         | 3        | 48         | 7       | 99         | 0.00      | 0.0               | 7.608                               | 0.000 | 0    | 0          | 0            | 12   |
| PL.5292      | PL.30890    | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.76                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 7.690                               | 0.082 | 0    | 0          | 0            | 2    |
| 087210       | PL.5292     | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.76                     | 0.85         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.690                               | 0.000 | 6    | 1          | 1            | 1    |
| 087225       | PL.5292     | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.76                     | 0.08         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 7.690                               | 0.000 | 1    | 0          | 1            | 1    |
| 087216       | PL.5292     | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.690                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.5294      | PL.30890    | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.76                     | 0.59         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 7.635                               | 0.027 | 0    | 0          | 0            | 1    |
| 087217       | PL.5294     | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.635                               | 0.000 | 0    | 0          | 0            | 0    |
| 087206       | PL.5294     | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.76                     | 0.59         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 7.635                               | 0.000 | 4    | 1          | 1            | 1    |
| PL.13836     | PL.30890    | C   | 4ACSR              | 7.27Y     | 121.2        | 0.03            | 4.79                     | 5.13         | 3        | 37         | 5       | 99         | 0.01      | 0.0               | 7.756                               | 0.148 | 0    | 0          | 0            | 9    |
| PL.30891     | PL.13836    | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.79                     | 3.95         | 2        | 28         | 4       | 99         | 0.00      | 0.0               | 7.757                               | 0.001 | 0    | 0          | 0            | 5    |
| PD.3801-A    | PL.30891    | C   | Closed             | 7.27Y     | 121.2        | 0.00            | 4.79                     | 3.95         | 0        | 28         | 4       | 99         | 0.00      | 0.0               | 7.757                               | 0.000 | 0    | 0          | 0            | 5    |
| PD.3801-B    | PD.3801-A   | C   | Closed             | 7.27Y     | 121.2        | 0.00            | 4.79                     | 3.95         | 0        | 28         | 4       | 99         | 0.00      | 0.0               | 7.757                               | 0.000 | 0    | 0          | 0            | 5    |
| PL.30892     | PD.3801-B   | C   | 4ACSR              | 7.27Y     | 121.2        | 0.01            | 4.80                     | 3.95         | 2        | 28         | 4       | 99         | 0.00      | 0.0               | 7.824                               | 0.067 | 0    | 0          | 0            | 5    |
| PL.5287      | PL.30892    | C   | 4ACSR              | 7.27Y     | 121.2        | 0.01            | 4.81                     | 2.41         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 7.880                               | 0.056 | 0    | 0          | 0            | 3    |
| 087222       | PL.5287     | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.81                     | 1.06         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 7.880                               | 0.000 | 8    | 1          | 1            | 1    |
| PL.5288      | PL.5287     | C   | 4ACSR              | 7.27Y     | 121.2        | 0.01            | 4.81                     | 1.34         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 8.034                               | 0.154 | 0    | 0          | 0            | 2    |
| 087221       | PL.5288     | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.81                     | 0.32         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.034                               | 0.000 | 2    | 0          | 1            | 1    |
| PL.27101     | PL.5288     | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.81                     | 1.03         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 8.045                               | 0.011 | 0    | 0          | 0            | 1    |
| PD.2284      | PL.27101    | C   | fuse6AMP           | 7.27Y     | 121.2        | 0.00            | 4.81                     | 1.03         | 18       | 7          | 1       | 99         | 0.00      | 0.0               | 8.045                               | 0.000 | 0    | 0          | 0            | 1    |
| PL.26693     | PD.2284     | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.82                     | 1.03         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 8.143                               | 0.098 | 0    | 0          | 0            | 1    |
| PL.5289      | PL.26693    | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.82                     | 1.03         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 8.210                               | 0.067 | 0    | 0          | 0            | 1    |
| PL.5290      | PL.5289     | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.83                     | 1.03         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 8.279                               | 0.069 | 0    | 0          | 0            | 1    |
| 087219       | PL.5290     | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.83                     | 1.03         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 8.279                               | 0.000 | 7    | 1          | 1            | 1    |
| 087223       | PL.30892    | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.80                     | 1.04         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 7.824                               | 0.000 | 8    | 1          | 1            | 1    |
| 087220       | PL.30892    | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.80                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.824                               | 0.000 | 0    | 0          | 0            | 0    |
| 087209       | PL.30892    | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.80                     | 0.50         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 7.824                               | 0.000 | 4    | 0          | 1            | 1    |
| PL.30893     | PL.13836    | C   | 4ACSR              | 7.27Y     | 121.2        | 0.03            | 4.81                     | 1.19         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 8.273                               | 0.516 | 0    | 0          | 0            | 4    |
| PD.3802-A    | PL.30893    | C   | Closed             | 7.27Y     | 121.2        | 0.00            | 4.81                     | 1.19         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 8.273                               | 0.000 | 0    | 0          | 0            | 4    |
| PD.3802-B    | PD.3802-A   | C   | Closed             | 7.27Y     | 121.2        | 0.00            | 4.81                     | 1.19         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 8.273                               | 0.000 | 0    | 0          | 0            | 4    |
| PL.30894     | PD.3802-B   | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.81                     | 1.19         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 8.275                               | 0.002 | 0    | 0          | 0            | 4    |
| PL.13838     | PL.30894    | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.74         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 8.331                               | 0.056 | 0    | 0          | 0            | 2    |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.8231      | PL.13838    | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.74         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 8.437                               | 0.106 | 0    | 0          | 0            | 2 |
| PL.8238      | PL.8231     | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.47         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 8.494                               | 0.057 | 0    | 0          | 0            | 1 |
| 078905       | PL.8238     | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.47         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 8.494                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.8239      | PL.8238     | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.706                               | 0.212 | 0    | 0          | 0            | 0 |
| 078904       | PL.8231     | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.27         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 8.437                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.5284      | PL.30894    | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.44         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 8.359                               | 0.084 | 0    | 0          | 0            | 2 |
| PL.5279      | PL.5284     | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.44         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 8.489                               | 0.131 | 0    | 0          | 0            | 2 |
| PL.5280      | PL.5279     | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.44         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 8.561                               | 0.071 | 0    | 0          | 0            | 2 |
| PL.5281      | PL.5280     | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.44         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 8.649                               | 0.088 | 0    | 0          | 0            | 2 |
| PL.5282      | PL.5281     | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.754                               | 0.105 | 0    | 0          | 0            | 0 |
| PL.5283      | PL.5282     | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.788                               | 0.034 | 0    | 0          | 0            | 0 |
| PL.5285      | PL.5283     | C   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.881                               | 0.093 | 0    | 0          | 0            | 0 |
| PL.35035     | PL.5281     | C   | 2ACSR              | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.776                               | 0.127 | 0    | 0          | 0            | 1 |
| 0882003      | PL.35035    | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.776                               | 0.000 | 0    | 0          | 1            | 1 |
| 088202       | PL.5281     | C   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.82                     | 0.44         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 8.649                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.44228     | PL.30878    | C   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.73                     | 0.92         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 7.539                               | 0.009 | 0    | 0          | 0            | 1 |
| PL.44229     | PL.44228    | C   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.74                     | 0.92         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 7.595                               | 0.055 | 0    | 0          | 0            | 1 |
| 087215       | PL.44229    | C   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.74                     | 0.92         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 7.595                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.5291      | PL.30878    | C   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.73                     | 0.29         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 7.578                               | 0.048 | 0    | 0          | 0            | 1 |
| 087211       | PL.5291     | C   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.73                     | 0.29         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 7.578                               | 0.000 | 2    | 0          | 1            | 1 |
| 087201       | PL.44225    | C   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.68                     | 0.37         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 7.377                               | 0.000 | 3    | 0          | 1            | 1 |
| 087218       | PL.44225    | C   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.68                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.377                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.30887     | PL.18470    | C   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.67                     | 1.04         | 1        | 7          | 1         | 99         | 0.00      | 0.0               | 7.356                               | 0.002 | 0    | 0          | 0            | 1 |
| PD.3797      | PL.30887    | C   | fuse6AMP           | 7.28Y     | 121.3        | 0.00            | 4.67                     | 1.04         | 18       | 7          | 1         | 99         | 0.00      | 0.0               | 7.356                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.30888     | PD.3797     | C   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.68                     | 1.04         | 1        | 7          | 1         | 99         | 0.00      | 0.0               | 7.436                               | 0.080 | 0    | 0          | 0            | 1 |
| 087213       | PL.30888    | C   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.68                     | 1.04         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 7.436                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.5295      | PL.13040    | C   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.61                     | 0.58         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 7.251                               | 0.052 | 0    | 0          | 0            | 1 |
| 087224       | PL.5295     | C   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.61                     | 0.58         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 7.251                               | 0.000 | 4    | 1          | 1            | 1 |
| 076914       | PL.27184    | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.47                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.960                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.16865     | PL.25249    | C   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.17                     | 1.35         | 1        | 10         | 1         | 100        | 0.00      | 0.0               | 6.556                               | 0.005 | 0    | 0          | 0            | 2 |
| PD.2233      | PL.16865    | C   | fuse6AMP           | 7.31Y     | 121.8        | 0.00            | 4.17                     | 1.35         | 23       | 10         | 1         | 100        | 0.00      | 0.0               | 6.556                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.32830     | PD.2233     | C   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.17                     | 1.35         | 1        | 10         | 1         | 100        | 0.00      | 0.0               | 6.611                               | 0.055 | 0    | 0          | 0            | 2 |
| 0769059      | PL.32830    | C   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.17                     | 0.88         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 6.611                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.32831     | PL.32830    | C   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.17                     | 0.47         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 6.645                               | 0.034 | 0    | 0          | 0            | 1 |
| 076910       | PL.32831    | C   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.17                     | 0.47         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 6.645                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.4481      | PL.39502    | C   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.19         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 6.123                               | 0.047 | 0    | 0          | 0            | 1 |
| 076945       | PL.4481     | C   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.19         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 6.123                               | 0.000 | 1    | 0          | 1            | 1 |
| 076928       | PL.39502    | C   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.85         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 6.076                               | 0.000 | 6    | 1          | 1            | 1 |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 076926       | PL.39502    | C   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.076                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.38815     | PL.38817    | C   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.63                     | 2.14         | 1        | 15         | 3       | 98         | 0.00      | 0.0               | 6.026                               | 0.023 | 0    | 0          | 0            | 4 |
| 076947       | PL.38815    | C   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.63                     | 0.19         | 0        | 1          | 1       | 71         | 0.00      | 0.0               | 6.026                               | 0.000 | 1    | 1          | 1            | 1 |
| 076943       | PL.38815    | C   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.63                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.026                               | 0.000 | 2    | 0          | 1            | 1 |
| 076951       | PL.38815    | C   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.63                     | 0.34         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.026                               | 0.000 | 2    | 0          | 1            | 1 |
| 076946       | PL.38815    | C   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.63                     | 1.28         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 6.026                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.16881     | PL.13231    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.36                     | 1.67         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 5.799                               | 0.005 | 0    | 0          | 0            | 3 |
| PD.2227      | PL.16881    | C   | fuse6AMP           | 7.36Y     | 122.6        | 0.00            | 3.36                     | 1.67         | 28       | 12         | 2       | 99         | 0.00      | 0.0               | 5.799                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.16882     | PD.2227     | C   | 4ACSR              | 7.36Y     | 122.6        | 0.01            | 3.37                     | 1.67         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 5.900                               | 0.101 | 0    | 0          | 0            | 3 |
| 076909       | PL.16882    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.37                     | 1.38         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 5.900                               | 0.000 | 10   | 1          | 1            | 1 |
| 076907       | PL.16882    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.37                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.900                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.25263     | PL.16882    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.37                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.900                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.4694      | PL.25263    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.37                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.921                               | 0.021 | 0    | 0          | 0            | 0 |
| 076956       | PL.4694     | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.37                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.921                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.4482      | PL.25263    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.37                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.914                               | 0.014 | 0    | 0          | 0            | 1 |
| PL.4483      | PL.4482     | C   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.37                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.980                               | 0.065 | 0    | 0          | 0            | 1 |
| 076940       | PL.4483     | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.37                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.980                               | 0.000 | 2    | 0          | 1            | 1 |
| 076938       | PL.4483     | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.37                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.980                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.16883     | PL.46020    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.30                     | 1.16         | 1        | 8          | 2       | 97         | 0.00      | 0.0               | 5.754                               | 0.005 | 0    | 0          | 0            | 4 |
| PD.2226      | PL.16883    | C   | fuse6AMP           | 7.36Y     | 122.7        | 0.00            | 3.30                     | 1.16         | 20       | 8          | 2       | 97         | 0.00      | 0.0               | 5.754                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.16884     | PD.2226     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.30                     | 1.16         | 1        | 8          | 2       | 97         | 0.00      | 0.0               | 5.806                               | 0.052 | 0    | 0          | 0            | 4 |
| PL.4925      | PL.16884    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 5.896                               | 0.090 | 0    | 0          | 0            | 2 |
| PL.4687      | PL.4925     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.957                               | 0.061 | 0    | 0          | 0            | 0 |
| 075937       | PL.4687     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.957                               | 0.000 | 0    | 0          | 0            | 0 |
| 075931       | PL.4925     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.07         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.896                               | 0.000 | 0    | 0          | 1            | 1 |
| 075907       | PL.4925     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.45         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.896                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.4484      | PL.16884    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.65         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.846                               | 0.040 | 0    | 0          | 0            | 2 |
| 076949       | PL.4484     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.44         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.846                               | 0.000 | 3    | 0          | 1            | 1 |
| 076912       | PL.4484     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.21         | 0        | 1          | 1       | 71         | 0.00      | 0.0               | 5.846                               | 0.000 | 1    | 1          | 1            | 1 |
| 0769057      | PL.46020    | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.12         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.748                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.17701     | PL.13232    | B   | 4ACSR              | 7.33Y     | 122.1        | 0.00            | 3.88                     | 2.20         | 1        | 15         | 6       | 93         | 0.00      | 0.0               | 5.447                               | 0.005 | 0    | 0          | 0            | 4 |
| PD.2224      | PL.17701    | B   | fuse6AMP           | 7.33Y     | 122.1        | 0.00            | 3.88                     | 2.20         | 38       | 15         | 6       | 93         | 0.00      | 0.0               | 5.447                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.17702     | PD.2224     | B   | 4ACSR              | 7.33Y     | 122.1        | 0.01            | 3.89                     | 2.20         | 1        | 15         | 6       | 93         | 0.00      | 0.0               | 5.547                               | 0.100 | 0    | 0          | 0            | 4 |
| PL.4926      | PL.17702    | B   | 4ACSR              | 7.33Y     | 122.1        | 0.02            | 3.91                     | 2.20         | 1        | 15         | 6       | 93         | 0.00      | 0.0               | 5.709                               | 0.162 | 0    | 0          | 0            | 4 |
| 075904       | PL.4926     | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.91                     | 0.43         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.709                               | 0.000 | 3    | 0          | 1            | 1 |
| 075934       | PL.4926     | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.91                     | 0.07         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.709                               | 0.000 | 0    | 0          | 1            | 1 |
| 075933       | PL.4926     | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.91                     | 1.62         | 0        | 11         | 5       | 91         | 0.00      | 0.0               | 5.709                               | 0.000 | 11   | 5          | 1            | 1 |
| 075941       | PL.4926     | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.91                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.709                               | 0.000 | 1    | 0          | 1            | 1 |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |   |
| PL.4927      | PL.17702    | B   | 4ACSR              | 7.33Y     | 122.1        | 0.00            | 3.89                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.668             | 0.121 | 0          | 0            | 0    | 0 |
| 0759044      | PL.4927     | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.89                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.668             | 0.000 | 0          | 0            | 0    | 0 |
| PL.17631     | PL.25293    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.70         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 5.103             | 0.005 | 0          | 0            | 0    | 2 |
| PD.2223      | PL.17631    | B   | fuse6AMP           | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.70         | 12       | 5          | 1         | 98         | 0.00      | 0.0               | 5.103             | 0.000 | 0          | 0            | 0    | 2 |
| PL.17632     | PD.2223     | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.70         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 5.163             | 0.061 | 0          | 0            | 0    | 2 |
| PL.13235     | PL.17632    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.70         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 5.190             | 0.027 | 0          | 0            | 0    | 2 |
| PL.13236     | PL.13235    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.82                     | 0.68         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 5.273             | 0.083 | 0          | 0            | 0    | 1 |
| 075924       | PL.13236    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.82                     | 0.68         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 5.273             | 0.000 | 5          | 1            | 1    | 1 |
| PL.4695      | PL.13235    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.270             | 0.080 | 0          | 0            | 0    | 1 |
| 0759043      | PL.4695     | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.270             | 0.000 | 0          | 0            | 1    | 1 |
| PL.17633     | PL.17636    | B   | 336ACSR            | 7.33Y     | 122.2        | 0.00            | 3.76                     | 2.01         | 0        | 15         | 2         | 99         | 0.00      | 0.0               | 4.856             | 0.005 | 0          | 0            | 0    | 2 |
| PD.2222      | PL.17633    | B   | fuse6AMP           | 7.33Y     | 122.2        | 0.00            | 3.76                     | 2.01         | 34       | 15         | 2         | 99         | 0.00      | 0.0               | 4.856             | 0.000 | 0          | 0            | 0    | 2 |
| PL.17634     | PD.2222     | B   | 4ACSR              | 7.33Y     | 122.2        | 0.01            | 3.76                     | 2.01         | 1        | 15         | 2         | 99         | 0.00      | 0.0               | 4.915             | 0.059 | 0          | 0            | 0    | 2 |
| 075932       | PL.17634    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.76                     | 0.54         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 4.915             | 0.000 | 4          | 1            | 1    | 1 |
| 0759045      | PL.17634    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.76                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.915             | 0.000 | 0          | 0            | 0    | 0 |
| PL.25260     | PL.17634    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.76                     | 1.47         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 4.937             | 0.022 | 0          | 0            | 0    | 1 |
| PL.4929      | PL.25260    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.77                     | 1.47         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 5.001             | 0.064 | 0          | 0            | 0    | 1 |
| PL.4930      | PL.4929     | B   | 4ACSR              | 7.33Y     | 122.2        | 0.01            | 3.77                     | 1.47         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 5.106             | 0.105 | 0          | 0            | 0    | 1 |
| 075936       | PL.4930     | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.77                     | 1.47         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 5.106             | 0.000 | 11         | 1            | 1    | 1 |
| 074920       | PL.21132    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.687             | 0.000 | 0          | 0            | 0    | 0 |
| 074931       | PL.21225    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.66                     | 0.18         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.512             | 0.000 | 1          | 0            | 1    | 1 |
| PL.16860     | PL.16863    | C   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.86                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.464             | 0.006 | 0          | 0            | 0    | 0 |
| PD.3264      | PL.16860    | C   | fuse6AMP           | 7.39Y     | 123.1        | 0.00            | 2.86                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.464             | 0.000 | 0          | 0            | 0    | 0 |
| PL.16861     | PD.3264     | C   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.86                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.524             | 0.060 | 0          | 0            | 0    | 0 |
| 074955       | PL.16861    | C   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.86                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.524             | 0.000 | 0          | 0            | 0    | 0 |
| 074905       | PL.16861    | C   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.86                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.524             | 0.000 | 0          | 0            | 0    | 0 |
| 074940       | PL.8106     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.91                     | 0.46         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 4.367             | 0.000 | 3          | 0            | 1    | 1 |
| 074958       | PL.8106     | B   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.62                     | 0.10         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.367             | 0.000 | 1          | 0            | 1    | 1 |
| PL.16858     | PL.13239    | B   | 4ACSR              | 7.35Y     | 122.4        | 0.00            | 3.58                     | 0.19         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.233             | 0.005 | 0          | 0            | 0    | 2 |
| PD.3263      | PL.16858    | B   | fuse6AMP           | 7.35Y     | 122.4        | 0.00            | 3.58                     | 0.19         | 3        | 1          | 0         | 100        | 0.00      | 0.0               | 4.233             | 0.000 | 0          | 0            | 0    | 2 |
| PL.16859     | PD.3263     | B   | 4ACSR              | 7.35Y     | 122.4        | 0.00            | 3.58                     | 0.19         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.320             | 0.087 | 0          | 0            | 0    | 2 |
| 074967       | PL.16859    | B   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.58                     | 0.06         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.320             | 0.000 | 0          | 0            | 1    | 1 |
| 074908       | PL.16859    | B   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.58                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.320             | 0.000 | 0          | 0            | 0    | 0 |
| 074936       | PL.16859    | B   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.58                     | 0.13         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.320             | 0.000 | 1          | 0            | 1    | 1 |
| 074933       | PL.13239    | C   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.82                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.227             | 0.000 | 0          | 0            | 0    | 0 |
| 074930       | PL.16857    | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.46                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.854             | 0.000 | 0          | 0            | 1    | 1 |
| 074963       | PL.16857    | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.46                     | 0.12         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 3.854             | 0.000 | 1          | 0            | 1    | 1 |
| 074961       | PL.16857    | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.46                     | 1.35         | 0        | 10         | 1         | 100        | 0.00      | 0.0               | 3.854             | 0.000 | 10         | 1            | 1    | 1 |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.16854     | PL.8113     | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.74   | 1.93         | 1        | 13         | 6    | 91      | 0.00       | 0.0               | 3.805                               | 0.005 | 0    | 0          | 0            | 3         |
| PD.3260      | PL.16854    | C   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.74   | 1.93         | 33       | 13         | 6    | 91      | 0.00       | 0.0               | 3.805                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.16855     | PD.3260     | C   | 4ACSR              | 7.39Y     | 123.2        | 0.01            | 2.75   | 1.93         | 1        | 13         | 6    | 91      | 0.00       | 0.0               | 3.880                               | 0.074 | 0    | 0          | 0            | 3         |
| 074903       | PL.16855    | C   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.75   | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.880                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.4760      | PL.16855    | C   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.75   | 1.65         | 1        | 11         | 5    | 91      | 0.00       | 0.0               | 3.902                               | 0.023 | 0    | 0          | 0            | 2         |
| PL.24174     | PL.4760     | C   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.76   | 1.65         | 1        | 11         | 5    | 91      | 0.00       | 0.0               | 3.940                               | 0.038 | 0    | 0          | 0            | 2         |
| PL.24175     | PL.24174    | C   | 4ACSR              | 7.39Y     | 123.2        | 0.01            | 2.76   | 1.65         | 1        | 11         | 5    | 91      | 0.00       | 0.0               | 4.013                               | 0.073 | 0    | 0          | 0            | 2         |
| PL.24176     | PL.24175    | C   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.76   | 1.65         | 1        | 11         | 5    | 91      | 0.00       | 0.0               | 4.053                               | 0.040 | 0    | 0          | 0            | 2         |
| 074957       | PL.24176    | C   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.76   | 1.65         | 0        | 11         | 5    | 91      | 0.00       | 0.0               | 4.053                               | 0.000 | 11   | 5          | 1            | 1         |
| 074915       | PL.24176    | C   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.76   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.053                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.16947     | PL.8113     | B   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.44   | 4.78         | 2        | 35         | 5    | 99      | 0.00       | 0.0               | 3.805                               | 0.005 | 0    | 0          | 0            | 6         |
| C PD.3261    | PL.16947    | B   | fuse6AMP           | 7.35Y     | 122.6        | 0.00            | 3.44   | 4.78         | 82       | 35         | 5    | 99      | 0.00       | 0.0               | 3.805                               | 0.000 | 0    | 0          | 0            | 6 C       |
| PL.16948     | PD.3261     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.01            | 3.45   | 4.78         | 2        | 35         | 5    | 99      | 0.00       | 0.0               | 3.854                               | 0.048 | 0    | 0          | 0            | 6         |
| PL.8112      | PL.16948    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.02            | 3.47   | 3.54         | 2        | 26         | 4    | 99      | 0.00       | 0.0               | 3.953                               | 0.099 | 0    | 0          | 0            | 5         |
| 074959       | PL.8112     | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47   | 0.81         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.953                               | 0.000 | 6    | 1          | 1            | 1         |
| 074968       | PL.8112     | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47   | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.953                               | 0.000 | 0    | 0          | 1            | 1         |
| 074946       | PL.8112     | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47   | 0.32         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.953                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.24177     | PL.8112     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.01            | 3.48   | 2.39         | 1        | 17         | 2    | 99      | 0.00       | 0.0               | 4.022                               | 0.069 | 0    | 0          | 0            | 2         |
| PL.24178     | PL.24177    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.48   | 1.41         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 4.095                               | 0.074 | 0    | 0          | 0            | 1         |
| 073911       | PL.24178    | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.48   | 1.41         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 4.095                               | 0.000 | 10   | 1          | 1            | 1         |
| 074944       | PL.24177    | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.48   | 0.98         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.022                               | 0.000 | 7    | 1          | 1            | 1         |
| 074952       | 074944      | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.48   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.022                               | 0.000 | 0    | 0          | 0            | 0         |
| 0749070      | PL.16948    | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.45   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.854                               | 0.000 | 0    | 0          | 0            | 0         |
| 074945       | PL.16948    | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.45   | 1.24         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 3.854                               | 0.000 | 9    | 1          | 1            | 1         |
| 074935       | PL.8113     | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.74   | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.800                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.17330     | PL.42273    | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.26   | 0.97         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 3.375                               | 0.006 | 0    | 0          | 0            | 1         |
| PD.495-A     | PL.17330    | C   | Closed             | 7.42Y     | 123.7        | 0.00            | 2.26   | 0.97         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.375                               | 0.000 | 0    | 0          | 0            | 1         |
| PD.495-B     | PD.495-A    | C   | Closed             | 7.42Y     | 123.7        | 0.00            | 2.26   | 0.97         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.375                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.17331     | PD.495-B    | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.26   | 0.97         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 3.398                               | 0.023 | 0    | 0          | 0            | 1         |
| 073919       | PL.17331    | C   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.26   | 0.97         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.398                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.17328     | PL.42273    | B   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.93   | 0.81         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.375                               | 0.005 | 0    | 0          | 0            | 4         |
| PD.3259      | PL.17328    | B   | fuse6AMP           | 7.38Y     | 123.1        | 0.00            | 2.93   | 0.81         | 14       | 6          | 1    | 99      | 0.00       | 0.0               | 3.375                               | 0.000 | 0    | 0          | 0            | 4         |
| PL.17329     | PD.3259     | B   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.93   | 0.81         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.416                               | 0.041 | 0    | 0          | 0            | 4         |
| PL.39776     | PL.17329    | B   | 2ACSR              | 7.38Y     | 123.1        | 0.00            | 2.93   | 0.51         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.442                               | 0.026 | 0    | 0          | 0            | 2         |
| 0739020      | PL.39776    | B   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.93   | 0.48         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.442                               | 0.000 | 4    | 0          | 1            | 1         |
| PL.39680     | PL.39776    | B   | 2ACSR              | 7.38Y     | 123.1        | 0.00            | 2.93   | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.474                               | 0.032 | 0    | 0          | 0            | 1         |
| 0739021      | PL.39680    | B   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.93   | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.474                               | 0.000 | 0    | 0          | 1            | 1         |
| 073910       | PL.17329    | B   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.93   | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.416                               | 0.000 | 0    | 0          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 073918       | PL.17329    | B   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.93   | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.416                               | 0.000 | 2    | 0          | 1            | 1  |
| 073917       | PL.42273    | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.09   | 0.75         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.370                               | 0.000 | 6    | 1          | 1            | 1  |
| 0739026      | PL.44191    | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.118                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.17326     | PL.33034    | A   | 4ACSR              | 7.43Y     | 123.9        | -0.00           | 2.13   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.080                               | 0.005 | 0    | 0          | 0            | 0  |
|              |             | B   |                    | 7.39Y     | 123.2        | 0.00            | 2.82   | 0.00         | 0        | 0          | 0       | 100        |           |                   | 0                                   | 0     | 0    | 0          | 0            |    |
|              |             | C   |                    | 7.43Y     | 123.8        | 0.00            | 2.21   | 1.12         | 1        | 8          | 1       | 99         |           |                   | 0                                   | 0     | 0    | 0          | 2            |    |
| PD.3258      | PL.17326    | C   | fuse6AMP           | 7.43Y     | 123.8        | 0.00            | 2.21   | 1.12         | 19       | 8          | 1       | 99         | 0.00      | 0.0               | 3.080                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.17327     | PD.3258     | C   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.22   | 1.12         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.152                               | 0.071 | 0    | 0          | 0            | 2  |
| PL.24180     | PL.17327    | C   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.22   | 0.57         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.189                               | 0.037 | 0    | 0          | 0            | 1  |
| 073907       | PL.24180    | C   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.22   | 0.57         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.189                               | 0.000 | 4    | 1          | 1            | 1  |
| 073906       | PL.17327    | C   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.22   | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.152                               | 0.000 | 4    | 1          | 1            | 1  |
| 0739022      | PL.33033    | C   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.043                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.35058     | PL.33033    | C   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.21   | 2.32         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 3.065                               | 0.021 | 0    | 0          | 0            | 4  |
| PL.35059     | PL.35058    | C   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.21   | 2.10         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 3.085                               | 0.021 | 0    | 0          | 0            | 2  |
| 6190001      | PL.35059    | C   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 1.19         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.085                               | 0.000 | 9    | 1          | 1            | 1  |
| 6190004      | PL.35059    | C   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.91         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.085                               | 0.000 | 7    | 1          | 1            | 1  |
| 6190003      | PL.35058    | C   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.065                               | 0.000 | 2    | 0          | 1            | 1  |
| 6190006      | PL.35058    | C   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.065                               | 0.000 | 0    | 0          | 1            | 1  |
| 6190007      | 6190006     | C   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.065                               | 0.000 | 0    | 0          | 0            | 0  |
| 6190008      | PL.35058    | C   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.065                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.17276     | PL.13315    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.18   | 1.59         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 2.807                               | 0.005 | 0    | 0          | 0            | 4  |
| PD.2911      | PL.17276    | A   | fuse6AMP           | 7.43Y     | 123.8        | 0.00            | 2.18   | 1.59         | 27       | 12         | 2       | 99         | 0.00      | 0.0               | 2.807                               | 0.000 | 0    | 0          | 0            | 4  |
| PL.17277     | PD.2911     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.18   | 1.59         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 2.842                               | 0.035 | 0    | 0          | 0            | 4  |
| PL.3766      | PL.17277    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.18   | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.892                               | 0.050 | 0    | 0          | 0            | 1  |
| 617002       | PL.3766     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.18   | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.892                               | 0.000 | 2    | 0          | 1            | 1  |
| 616001       | PL.17277    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.18   | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.842                               | 0.000 | 2    | 0          | 1            | 1  |
| 616002       | PL.17277    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.18   | 0.61         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.842                               | 0.000 | 4    | 1          | 1            | 1  |
| 616003       | PL.17277    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.18   | 0.39         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.842                               | 0.000 | 3    | 0          | 1            | 1  |
| 616901       | PL.13315    | C   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.16   | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.802                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.39561     | PL.13315    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.18   | 8.57         | 4        | 63         | 9       | 99         | 0.00      | 0.0               | 2.805                               | 0.003 | 0    | 0          | 0            | 22 |
| PD.6971      | PL.39561    | A   | 25L                | 7.43Y     | 123.8        | 0.00            | 2.18   | 8.57         | 34       | 63         | 9       | 99         | 0.00      | 0.0               | 2.805                               | 0.000 | 0    | 0          | 0            | 22 |
| PL.39562     | PD.6971     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.18   | 8.57         | 4        | 63         | 9       | 99         | 0.00      | 0.0               | 2.807                               | 0.002 | 0    | 0          | 0            | 22 |
| PL.17275     | PL.39562    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.03            | 2.21   | 8.57         | 4        | 63         | 9       | 99         | 0.02      | 0.0               | 2.895                               | 0.088 | 0    | 0          | 0            | 22 |
| 616803       | PL.17275    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.895                               | 0.000 | 2    | 0          | 1            | 1  |
| 616802       | PL.17275    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.18         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.895                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.7493      | PL.17275    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.01            | 2.23   | 8.15         | 4        | 60         | 8       | 99         | 0.01      | 0.0               | 2.937                               | 0.041 | 0    | 0          | 0            | 20 |
| PL.7494      | PL.7493     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.02            | 2.24   | 7.41         | 4        | 55         | 8       | 99         | 0.01      | 0.0               | 2.992                               | 0.055 | 0    | 0          | 0            | 18 |
| PL.37886     | PL.7494     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.01            | 2.25   | 7.41         | 4        | 54         | 8       | 99         | 0.00      | 0.0               | 3.012                               | 0.020 | 0    | 0          | 0            | 18 |
| PD.6258-A    | PL.37886    | A   | Closed             | 7.43Y     | 123.8        | 0.00            | 2.25   | 7.41         | 0        | 54         | 8       | 99         | 0.00      | 0.0               | 3.012                               | 0.000 | 0    | 0          | 0            | 18 |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PD.6258-B    | PD.6258-A   | A   | Closed             | 7.43Y     | 123.8        | 0.00            | 2.25                     | 7.41         | 0        | 54         | 8    | 99      | 0.00       | 0.0               | 3.012             | 0.000          | 0          | 0            | 0  | 18   |
| PL.37887     | PD.6258-B   | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.25                     | 7.41         | 4        | 54         | 8    | 99      | 0.00       | 0.0               | 3.027             | 0.015          | 0          | 0            | 0  | 18   |
| 616806       | PL.37887    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.25                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.027             | 0.000          | 0          | 0            | 0  | 0    |
| PL.39567     | PL.37887    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.26                     | 7.41         | 4        | 54         | 8    | 99      | 0.00       | 0.0               | 3.032             | 0.005          | 0          | 0            | 0  | 18   |
| PD.6974-A    | PL.39567    | A   | Closed             | 7.42Y     | 123.7        | 0.00            | 2.26                     | 7.41         | 0        | 54         | 8    | 99      | 0.00       | 0.0               | 3.032             | 0.000          | 0          | 0            | 0  | 18   |
| PD.6974-B    | PD.6974-A   | A   | Closed             | 7.42Y     | 123.7        | 0.00            | 2.26                     | 7.41         | 0        | 54         | 8    | 99      | 0.00       | 0.0               | 3.032             | 0.000          | 0          | 0            | 0  | 18   |
| PL.39568     | PD.6974-B   | A   | 4ACSR              | 7.42Y     | 123.7        | 0.03            | 2.28                     | 7.41         | 4        | 54         | 8    | 99      | 0.01       | 0.0               | 3.116             | 0.084          | 0          | 0            | 0  | 18   |
| PL.39563     | PL.39568    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.28                     | 0.53         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.119             | 0.003          | 0          | 0            | 0  | 3    |
| PD.6972      | PL.39563    | A   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.28                     | 0.53         | 9        | 4          | 1    | 97      | 0.00       | 0.0               | 3.119             | 0.000          | 0          | 0            | 0  | 3    |
| PL.39564     | PD.6972     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.28                     | 0.53         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.141             | 0.022          | 0          | 0            | 0  | 3    |
| 617801       | PL.39564    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.28                     | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.141             | 0.000          | 1          | 0            | 1  | 1    |
| 618801       | PL.39564    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.28                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.141             | 0.000          | 0          | 0            | 1  | 1    |
| 617802       | PL.39564    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.28                     | 0.38         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 3.141             | 0.000          | 3          | 0            | 1  | 1    |
| PL.13317     | PL.39568    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.01            | 2.29                     | 6.87         | 4        | 51         | 7    | 99      | 0.00       | 0.0               | 3.155             | 0.040          | 0          | 0            | 0  | 15   |
| PL.13318     | PL.13317    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.01            | 2.30                     | 6.42         | 3        | 47         | 7    | 99      | 0.00       | 0.0               | 3.176             | 0.020          | 0          | 0            | 0  | 14   |
| PL.39571     | PL.13318    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.30                     | 1.81         | 1        | 13         | 2    | 99      | 0.00       | 0.0               | 3.179             | 0.003          | 0          | 0            | 0  | 5    |
| PD.6976      | PL.39571    | A   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.30                     | 1.81         | 31       | 13         | 2    | 99      | 0.00       | 0.0               | 3.179             | 0.000          | 0          | 0            | 0  | 5    |
| PL.39572     | PD.6976     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.01            | 2.31                     | 1.81         | 1        | 13         | 2    | 99      | 0.00       | 0.0               | 3.279             | 0.100          | 0          | 0            | 0  | 5    |
| PL.13323     | PL.39572    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.31                     | 1.81         | 1        | 13         | 2    | 99      | 0.00       | 0.0               | 3.336             | 0.057          | 0          | 0            | 0  | 5    |
| PL.3377      | PL.13323    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.31                     | 0.50         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.434             | 0.099          | 0          | 0            | 0  | 2    |
| 619602       | PL.3377     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.31                     | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.434             | 0.000          | 0          | 0            | 1  | 1    |
| 619601       | PL.3377     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.31                     | 0.44         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 3.434             | 0.000          | 3          | 0            | 1  | 1    |
| PL.45140     | PL.3377     | A   | 2ACSR              | 7.42Y     | 123.7        | 0.00            | 2.31                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.496             | 0.062          | 0          | 0            | 0  | 0    |
| 0738029      | PL.45140    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.31                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.496             | 0.000          | 0          | 0            | 0  | 0    |
| PL.13177     | PL.13323    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.31                     | 1.31         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 3.367             | 0.032          | 0          | 0            | 0  | 3    |
| PL.26369     | PL.13177    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.31                     | 0.54         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.426             | 0.059          | 0          | 0            | 0  | 2    |
| PL.3381      | PL.26369    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.25         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.456             | 0.030          | 0          | 0            | 0  | 1    |
| 617602       | PL.3381     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.25         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.456             | 0.000          | 2          | 0            | 1  | 1    |
| PL.3380      | PL.26369    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.481             | 0.055          | 0          | 0            | 0  | 1    |
| PL.3379      | PL.3380     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.505             | 0.024          | 0          | 0            | 0  | 1    |
| 618501       | PL.3379     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.505             | 0.000          | 2          | 0            | 1  | 1    |
| PL.3378      | PL.13177    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.77         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.432             | 0.065          | 0          | 0            | 0  | 1    |
| 619501       | PL.3378     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.77         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.432             | 0.000          | 6          | 1            | 1  | 1    |
| PL.7489      | PL.13318    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.02            | 2.32                     | 4.61         | 2        | 34         | 5    | 99      | 0.00       | 0.0               | 3.273             | 0.097          | 0          | 0            | 0  | 9    |
| PL.39577     | PL.7489     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.85         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.277             | 0.005          | 0          | 0            | 0  | 2    |
| PD.6979      | PL.39577    | A   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.85         | 15       | 6          | 1    | 99      | 0.00       | 0.0               | 3.277             | 0.000          | 0          | 0            | 0  | 2    |
| PL.39578     | PD.6979     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.85         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.317             | 0.039          | 0          | 0            | 0  | 2    |
| 619802       | PL.39578    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.317             | 0.000          | 0          | 0            | 1  | 1    |



Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |      | %<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |    |      |            |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------|-----------|-----------|-------------------|-------------------|----|------|------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW   |           |           |                   | Length<br>(mi)    | KW | KVAR | Cons<br>On |
| 619801       | PL.39578    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32   | 0.79         | 0        | 6          | 1    | 99      | 0.00 | 0.0       | 3.317     | 0.000             | 6                 | 1  | 1    | 1          |
| 619803       | PL.7489     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32   | 0.72         | 0        | 5          | 1    | 98      | 0.00 | 0.0       | 3.273     | 0.000             | 5                 | 1  | 1    | 1          |
| PL.7490      | PL.7489     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.01            | 2.33   | 3.04         | 2        | 22         | 3    | 99      | 0.00 | 0.0       | 3.381     | 0.108             | 0                 | 0  | 0    | 6          |
| PL.8121      | PL.7490     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.33   | 3.04         | 2        | 22         | 3    | 99      | 0.00 | 0.0       | 3.396     | 0.015             | 0                 | 0  | 0    | 6          |
| PL.13319     | PL.8121     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.34   | 3.04         | 2        | 22         | 3    | 99      | 0.00 | 0.0       | 3.417     | 0.021             | 0                 | 0  | 0    | 6          |
| 073823       | PL.13319    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.34   | 0.00         | 0        | 0          | 0    | 100     | 0.00 | 0.0       | 3.417     | 0.000             | 0                 | 0  | 0    | 0          |
| 073824       | PL.13319    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.34   | 0.09         | 0        | 1          | 0    | 100     | 0.00 | 0.0       | 3.417     | 0.000             | 1                 | 0  | 1    | 1          |
| PL.13320     | PL.13319    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.01            | 2.34   | 2.95         | 2        | 22         | 3    | 99      | 0.00 | 0.0       | 3.466     | 0.049             | 0                 | 0  | 0    | 5          |
| PL.13322     | PL.13320    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.35   | 1.58         | 1        | 12         | 2    | 99      | 0.00 | 0.0       | 3.521     | 0.055             | 0                 | 0  | 0    | 3          |
| PL.39575     | PL.13322    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.35   | 0.26         | 0        | 2          | 0    | 100     | 0.00 | 0.0       | 3.524     | 0.003             | 0                 | 0  | 0    | 1          |
| PD.6978      | PL.39575    | A   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.35   | 0.26         | 4        | 2          | 0    | 100     | 0.00 | 0.0       | 3.524     | 0.000             | 0                 | 0  | 0    | 1          |
| PL.39576     | PD.6978     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.35   | 0.26         | 0        | 2          | 0    | 100     | 0.00 | 0.0       | 3.551     | 0.027             | 0                 | 0  | 0    | 1          |
| 073821       | PL.39576    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.35   | 0.26         | 0        | 2          | 0    | 100     | 0.00 | 0.0       | 3.551     | 0.000             | 2                 | 0  | 1    | 1          |
| PL.39406     | PL.13322    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.35   | 1.32         | 1        | 10         | 1    | 100     | 0.00 | 0.0       | 3.593     | 0.072             | 0                 | 0  | 0    | 2          |
| PL.39405     | PL.39406    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.35   | 0.64         | 0        | 5          | 1    | 98      | 0.00 | 0.0       | 3.664     | 0.071             | 0                 | 0  | 0    | 1          |
| 074834       | PL.39405    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.35   | 0.64         | 0        | 5          | 1    | 98      | 0.00 | 0.0       | 3.664     | 0.000             | 5                 | 1  | 1    | 1          |
| PL.39579     | PL.39406    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.35   | 0.68         | 0        | 5          | 1    | 98      | 0.00 | 0.0       | 3.596     | 0.003             | 0                 | 0  | 0    | 1          |
| PD.6980      | PL.39579    | A   | fuse6AMP           | 7.42Y     | 123.6        | 0.00            | 2.35   | 0.68         | 12       | 5          | 1    | 98      | 0.00 | 0.0       | 3.596     | 0.000             | 0                 | 0  | 0    | 1          |
| PL.39580     | PD.6980     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.35   | 0.68         | 0        | 5          | 1    | 98      | 0.00 | 0.0       | 3.643     | 0.047             | 0                 | 0  | 0    | 1          |
| 073822       | PL.39580    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.35   | 0.68         | 0        | 5          | 1    | 98      | 0.00 | 0.0       | 3.643     | 0.000             | 5                 | 1  | 1    | 1          |
| PL.39573     | PL.13320    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.34   | 1.36         | 1        | 10         | 1    | 100     | 0.00 | 0.0       | 3.470     | 0.003             | 0                 | 0  | 0    | 2          |
| PD.6977      | PL.39573    | A   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.34   | 1.36         | 23       | 10         | 1    | 100     | 0.00 | 0.0       | 3.470     | 0.000             | 0                 | 0  | 0    | 2          |
| PL.39574     | PD.6977     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.35   | 1.36         | 1        | 10         | 1    | 100     | 0.00 | 0.0       | 3.499     | 0.029             | 0                 | 0  | 0    | 2          |
| 073807       | PL.39574    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.35   | 0.28         | 0        | 2          | 0    | 100     | 0.00 | 0.0       | 3.499     | 0.000             | 2                 | 0  | 1    | 1          |
| 073820       | PL.39574    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.35   | 1.09         | 0        | 8          | 1    | 99      | 0.00 | 0.0       | 3.499     | 0.000             | 8                 | 1  | 1    | 1          |
| PL.3384      | PL.13317    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.29   | 0.45         | 0        | 3          | 0    | 100     | 0.00 | 0.0       | 3.165     | 0.009             | 0                 | 0  | 0    | 1          |
| 618701       | PL.3384     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.29   | 0.45         | 0        | 3          | 0    | 100     | 0.00 | 0.0       | 3.165     | 0.000             | 3                 | 0  | 1    | 1          |
| PL.39566     | PL.37887    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.25   | 0.00         | 0        | 0          | 0    | 100     | 0.00 | 0.0       | 3.034     | 0.007             | 0                 | 0  | 0    | 0          |
| PD.6973-B    | PL.39566    | A   | Open               | 7.42Y     | 123.7        | 0.00            | 2.25   | 0.00         | 0        | 0          | 0    | 100     | 0.00 | 0.0       | 3.034     | 0.000             | 0                 | 0  | 0    | 0          |
| 616805       | PL.7493     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.23   | 0.41         | 0        | 3          | 0    | 100     | 0.00 | 0.0       | 2.937     | 0.000             | 3                 | 0  | 1    | 1          |
| 616804       | PL.7493     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.23   | 0.33         | 0        | 2          | 0    | 100     | 0.00 | 0.0       | 2.937     | 0.000             | 2                 | 0  | 1    | 1          |
| PL.45748     | PL.45749    | A   | 2ACSR              | 7.43Y     | 123.8        | 0.00            | 2.18   | 0.00         | 0        | 0          | 0    | 100     | 0.00 | 0.0       | 2.814     | 0.078             | 0                 | 0  | 0    | 0          |
| 6159018      | PL.45748    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.18   | 0.00         | 0        | 0          | 0    | 100     | 0.00 | 0.0       | 2.814     | 0.000             | 0                 | 0  | 0    | 0          |
| 614804       | PL.20605    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.18   | 1.10         | 0        | 7          | 4    | 87      | 0.00 | 0.0       | 2.607     | 0.000             | 7                 | 4  | 0    | 0          |
|              |             | B   |                    | 7.40Y     | 123.4        | 0.00            | 2.60   | 1.10         | 0        | 7          | 4    | 90      |      |           |           |                   | 7                 | 4  | 0    | 0          |
|              |             | C   |                    | 7.43Y     | 123.9        | 0.00            | 2.09   | 1.10         | 0        | 7          | 4    | 90      |      |           |           |                   | 7                 | 4  | 0    | 0          |
| PL.3768      | PL.17538    | A   | 1/0ACSR            | 7.43Y     | 123.9        | 0.00            | 2.12   | 4.49         | 1        | 28         | 17   | 85      | 0.00 | 0.0       | 2.388     | 0.009             | 0                 | 0  | 0    | 1          |
|              |             | B   |                    | 7.41Y     | 123.6        | 0.00            | 2.44   | 4.50         | 1        | 28         | 17   | 85      |      |           |           |                   | 0                 | 0  | 0    | 1          |
|              |             | C   |                    | 7.44Y     | 124.1        | 0.00            | 1.93   | 4.48         | 1        | 28         | 17   | 85      |      |           |           |                   | 0                 | 0  | 0    | 1          |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------------------|-------------------------------------|----|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |    |      |            |              |   |
| PL.3767      | PL.3768     | A   | 1/0ACSR            | 7.43Y     | 123.9        | 0.00            | 2.13                     | 4.49         | 1        | 28         | 17   | 85      | 0.00       | 0.0       | 2.395             | 0.008                               | 0  | 0    | 0          | 1            |   |
|              |             | B   |                    | 7.41Y     | 123.6        | 0.00            | 2.44                     | 4.50         | 1        | 28         | 17   | 85      | 0          | 0         |                   |                                     | 0  | 0    | 0          | 0            | 1 |
|              |             | C   |                    | 7.44Y     | 124.1        | 0.00            | 1.93                     | 4.48         | 1        | 28         | 17   | 85      | 0          | 0         |                   |                                     | 0  | 0    | 0          | 0            | 1 |
| 612802       | PL.3767     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.395             | 0.000                               | 0  | 0    | 0          | 0            |   |
|              |             | B   |                    | 7.41Y     | 123.6        | 0.00            | 2.44                     | 0.03         | 0        | 0          | 0    | 90      | 0          | 0         |                   |                                     | 0  | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.44Y     | 124.1        | 0.00            | 1.93                     | 0.03         | 0        | 0          | 0    | 90      | 0          | 0         |                   |                                     | 0  | 0    | 0          | 0            |   |
| 612703       | PL.3767     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.395             | 0.000                               | 0  | 0    | 0          | 0            |   |
|              |             | B   |                    | 7.41Y     | 123.6        | 0.00            | 2.44                     | 0.00         | 0        | 0          | 0    | 99      | 0          | 0         |                   |                                     | 0  | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.44Y     | 124.1        | 0.00            | 1.93                     | 0.00         | 0        | 0          | 0    | 99      | 0          | 0         |                   |                                     | 0  | 0    | 0          | 0            |   |
| 612719       | PL.3767     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13                     | 4.39         | 0        | 28         | 17   | 85      | 0.00       | 0.0       | 2.395             | 0.000                               | 28 | 17   | 0          | 0            |   |
|              |             | B   |                    | 7.41Y     | 123.6        | 0.00            | 2.44                     | 4.40         | 0        | 28         | 17   | 85      | 28         | 17        |                   |                                     | 0  | 0    |            |              |   |
|              |             | C   |                    | 7.44Y     | 124.1        | 0.00            | 1.93                     | 4.39         | 0        | 28         | 17   | 85      | 28         | 17        |                   |                                     | 0  | 0    |            |              |   |
| 612701       | PL.3767     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13                     | 0.07         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.395             | 0.000                               | 0  | 0    | 0          | 0            |   |
|              |             | B   |                    | 7.41Y     | 123.6        | 0.00            | 2.44                     | 0.07         | 0        | 0          | 0    | 99      | 0          | 0         |                   |                                     | 0  | 0    | 0          |              |   |
|              |             | C   |                    | 7.44Y     | 124.1        | 0.00            | 1.93                     | 0.07         | 0        | 0          | 0    | 99      | 0          | 0         |                   |                                     | 0  | 0    | 0          |              |   |
| 612718       | PL.20760    | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.09                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.334             | 0.000                               | 0  | 0    | 0          | 0            |   |
|              |             | B   |                    | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.00         | 0        | 0          | 0    | 100     | 0          | 0         |                   |                                     | 0  | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.45Y     | 124.1        | 0.00            | 1.87                     | 0.00         | 0        | 0          | 0    | 100     | 0          | 0         |                   |                                     | 0  | 0    | 0          | 0            |   |
| 612716       | PL.20760    | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.09                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.334             | 0.000                               | 0  | 0    | 0          | 0            |   |
|              |             | B   |                    | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.01         | 0        | 0          | 0    | 90      | 0          | 0         |                   |                                     | 0  | 0    | 0          |              |   |
|              |             | C   |                    | 7.45Y     | 124.1        | 0.00            | 1.87                     | 0.01         | 0        | 0          | 0    | 90      | 0          | 0         |                   |                                     | 0  | 0    | 0          |              |   |
| 612712       | PL.20760    | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.09                     | 1.43         | 0        | 10         | 5    | 89      | 0.00       | 0.0       | 2.334             | 0.000                               | 10 | 5    | 0          | 0            |   |
|              |             | B   |                    | 7.42Y     | 123.6        | 0.00            | 2.39                     | 1.43         | 0        | 10         | 5    | 90      | 10         | 5         |                   |                                     | 0  | 0    |            |              |   |
|              |             | C   |                    | 7.45Y     | 124.1        | 0.00            | 1.87                     | 1.42         | 0        | 10         | 5    | 90      | 10         | 5         |                   |                                     | 0  | 0    |            |              |   |
| 612601       | PL.7428     | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.26                     | 0.70         | 0        | 5          | 2    | 93      | 0.00       | 0.0       | 2.222             | 0.000                               | 5  | 2    | 1          | 1            |   |
| 612602       | PL.7428     | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.26                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.222             | 0.000                               | 0  | 0    | 0          | 0            |   |
| PL.7417      | PL.19797    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.67                     | 7.44         | 4        | 55         | 8    | 99      | 0.00       | 0.0       | 1.861             | 0.031                               | 0  | 0    | 0          | 13           |   |
| 612305       | PL.7417     | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.67                     | 0.55         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 1.861             | 0.000                               | 4  | 1    | 1          | 1            |   |
| 612304       | PL.7417     | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.67                     | 0.40         | 0        | 3          | 1    | 95      | 0.00       | 0.0       | 1.861             | 0.000                               | 3  | 1    | 1          | 1            |   |
| PL.20222     | PL.7417     | A   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.67                     | 6.51         | 3        | 48         | 7    | 99      | 0.00       | 0.0       | 1.867             | 0.005                               | 0  | 0    | 0          | 11           |   |
| PD.3571      | PL.20222    | A   | 35V4E              | 7.46Y     | 124.3        | 0.00            | 1.67                     | 6.51         | 19       | 48         | 7    | 99      | 0.00       | 0.0       | 1.867             | 0.000                               | 0  | 0    | 0          | 11           |   |
| PL.20223     | PD.3571     | A   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.67                     | 6.51         | 3        | 48         | 7    | 99      | 0.00       | 0.0       | 1.881             | 0.015                               | 0  | 0    | 0          | 11           |   |
| PL.19405     | PL.20223    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.02            | 1.69                     | 6.26         | 3        | 46         | 6    | 99      | 0.01       | 0.0       | 1.943             | 0.062                               | 0  | 0    | 0          | 10           |   |
| PL.3779      | PL.19405    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.69                     | 2.42         | 1        | 18         | 2    | 99      | 0.00       | 0.0       | 1.988             | 0.045                               | 0  | 0    | 0          | 5            |   |
| 611203       | PL.3779     | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.34         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 1.988             | 0.000                               | 2  | 0    | 1          | 1            |   |
| 611205       | PL.3779     | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.78         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 1.988             | 0.000                               | 6  | 1    | 1          | 1            |   |
| 611202       | PL.3779     | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.23         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 1.988             | 0.000                               | 2  | 0    | 1          | 1            |   |
| PL.3780      | PL.3779     | A   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.70                     | 1.07         | 1        | 8          | 1    | 99      | 0.00       | 0.0       | 2.046             | 0.058                               | 0  | 0    | 0          | 2            |   |
| 612201       | PL.3780     | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 0.85         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 2.046             | 0.000                               | 6  | 1    | 1          | 1            |   |
| 611102       | PL.3780     | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 0.23         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 2.046             | 0.000                               | 2  | 0    | 1          | 1            |   |
| 612301       | PL.19405    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 1.04         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 1.943             | 0.000                               | 8  | 1    | 1          | 1            |   |
| 611206       | PL.19405    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.943             | 0.000                               | 0  | 0    | 0          | 0            |   |
| PL.7415      | PL.19405    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.70                     | 2.80         | 1        | 21         | 3    | 99      | 0.00       | 0.0       | 2.049             | 0.106                               | 0  | 0    | 0          | 4            |   |
| PL.7416      | PL.7415     | A   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.71                     | 2.14         | 1        | 16         | 2    | 99      | 0.00       | 0.0       | 2.136             | 0.087                               | 0  | 0    | 0          | 3            |   |
| 611101       | PL.7416     | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 2.136             | 0.000                               | 2  | 0    | 1          | 1            |   |
| 611103       | PL.7416     | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.136             | 0.000                               | 0  | 0    | 0          | 0            |   |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

|              |             | Units Displayed In Volts |                    |           |              |                 |               |              |          |            |      |         |            |           |                   |                | -----Element----- |      |            |              |
|--------------|-------------|--------------------------|--------------------|-----------|--------------|-----------------|---------------|--------------|----------|------------|------|---------|------------|-----------|-------------------|----------------|-------------------|------|------------|--------------|
|              |             | -Base Voltage:120.0-     |                    |           |              |                 |               |              |          |            |      |         |            |           |                   |                |                   |      |            |              |
| Element Name | Parent Name | Cnf                      | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | Length<br>(mi) | KW                | KVAR | Cons<br>On | Cons<br>Thru |
| 611105       | PL.7416     | A                        | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71          | 1.28         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 2.136             | 0.000          | 9                 | 1    | 1          | 1            |
| 611104       | PL.7416     | A                        | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71          | 0.58         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 2.136             | 0.000          | 4                 | 1    | 1          | 1            |
| 611204       | PL.7415     | A                        | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70          | 0.66         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 2.049             | 0.000          | 5                 | 1    | 1          | 1            |
| 612309       | PL.20223    | A                        | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.67          | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 1.881             | 0.000          | 2                 | 0    | 1          | 1            |
| PL.17534     | PL.19797    | C                        | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.21          | 1.07         | 1        | 8          | 1    | 99      | 0.00       | 0.0       | 1.836             | 0.006          | 0                 | 0    | 0          | 1            |
| PD.2906      | PL.17534    | C                        | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.21          | 1.07         | 18       | 8          | 1    | 99      | 0.00       | 0.0       | 1.836             | 0.000          | 0                 | 0    | 0          | 1            |
| PL.17535     | PD.2906     | C                        | 4ACSR              | 7.49Y     | 124.8        | 0.01            | 1.22          | 1.07         | 1        | 8          | 1    | 99      | 0.00       | 0.0       | 1.993             | 0.157          | 0                 | 0    | 0          | 1            |
| 610302       | PL.17535    | C                        | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22          | 1.07         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 1.993             | 0.000          | 8                 | 1    | 1          | 1            |
| P CP.23      | PL.28044    | A                        | Cap (150)          | 7.46Y     | 124.4        | 0.00            | 1.59          | -7.20        | 0        | 0          | -54  | 0       | 0.00       | 0.0       | 1.770             | 0.000          | 0                 | 0    | 0          | 0 P          |
| P            |             | B                        |                    | 7.46Y     | 124.3        | 0.00            | 1.68          | -7.19        | 0        | 0          | -54  | 0       |            |           |                   |                | 0                 | 0    | 0          | 0 P          |
| P            |             | C                        |                    | 7.49Y     | 124.9        | 0.00            | 1.12          | -7.23        | 0        | 0          | -54  | 0       |            |           |                   |                | 0                 | 0    | 0          | 0 P          |
| 073705       | PL.8098     | B                        | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.90          | 0.52         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 1.059             | 0.000          | 4                 | 1    | 1          | 1            |
| 0737044      | PL.8098     | B                        | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.90          | 1.23         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 1.059             | 0.000          | 9                 | 1    | 1          | 1            |
| 073718       | PL.8098     | B                        | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.90          | 0.44         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.059             | 0.000          | 3                 | 0    | 1          | 1            |
| 073734       | PL.8098     | B                        | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.90          | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.059             | 0.000          | 0                 | 0    | 1          | 1            |
| 073702       | PL.8096     | A                        | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84          | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.993             | 0.000          | 0                 | 0    | 1          | 1            |
| 073738       | PL.8096     | A                        | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84          | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.993             | 0.000          | 0                 | 0    | 1          | 1            |
| PL.17298     | PL.8096     | A                        | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.84          | 0.35         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 0.999             | 0.005          | 0                 | 0    | 0          | 2            |
| PD.3244      | PL.17298    | A                        | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.84          | 0.35         | 6        | 3          | 0    | 100     | 0.00       | 0.0       | 0.999             | 0.000          | 0                 | 0    | 0          | 2            |
| PL.17299     | PD.3244     | A                        | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.84          | 0.35         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.059             | 0.060          | 0                 | 0    | 0          | 2            |
| 073711       | PL.17299    | A                        | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84          | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.059             | 0.000          | 0                 | 0    | 1          | 1            |
| 073707       | PL.17299    | A                        | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84          | 0.32         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 1.059             | 0.000          | 2                 | 0    | 1          | 1            |
| PL.17297     | PL.18603    | A                        | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.82          | 12.85        | 7        | 96         | 13   | 99      | 0.00       | 0.0       | 0.977             | 0.005          | 0                 | 0    | 0          | 13           |
| PL.18606     | PL.17297    | A                        | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.83          | 12.85        | 7        | 96         | 13   | 99      | 0.00       | 0.0       | 0.980             | 0.003          | 0                 | 0    | 0          | 13           |
| PD.3631      | PL.18606    | A                        | 70V4E              | 7.51Y     | 125.2        | 0.00            | 0.83          | 12.85        | 0        | 96         | 13   | 99      | 0.00       | 0.0       | 0.980             | 0.000          | 0                 | 0    | 0          | 13           |
| PL.18607     | PD.3631     | A                        | 4ACSR              | 7.51Y     | 125.1        | 0.04            | 0.87          | 12.85        | 7        | 96         | 13   | 99      | 0.03       | 0.0       | 1.059             | 0.079          | 0                 | 0    | 0          | 13           |
| 073720       | PL.18607    | A                        | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87          | 0.56         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 1.059             | 0.000          | 4                 | 1    | 1          | 1            |
| PL.13267     | PL.18607    | A                        | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.88          | 12.30        | 6        | 91         | 13   | 99      | 0.01       | 0.0       | 1.074             | 0.015          | 0                 | 0    | 0          | 12           |
| PL.4670      | PL.13267    | A                        | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.88          | 1.21         | 1        | 9          | 1    | 99      | 0.00       | 0.0       | 1.098             | 0.024          | 0                 | 0    | 0          | 1            |
| 073725       | PL.4670     | A                        | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88          | 1.21         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 1.098             | 0.000          | 9                 | 1    | 1          | 1            |
| PL.13268     | PL.13267    | A                        | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.88          | 11.09        | 6        | 83         | 11   | 99      | 0.00       | 0.0       | 1.086             | 0.012          | 0                 | 0    | 0          | 11           |
| PL.8095      | PL.13268    | A                        | 4ACSR              | 7.51Y     | 125.1        | 0.02            | 0.90          | 8.31         | 4        | 62         | 9    | 99      | 0.01       | 0.0       | 1.145             | 0.059          | 0                 | 0    | 0          | 9            |
| PL.8117      | PL.8095     | A                        | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.91          | 8.31         | 4        | 62         | 9    | 99      | 0.00       | 0.0       | 1.161             | 0.016          | 0                 | 0    | 0          | 9            |
| PL.13269     | PL.8117     | A                        | 4ACSR              | 7.50Y     | 125.1        | 0.01            | 0.92          | 5.19         | 3        | 39         | 5    | 99      | 0.00       | 0.0       | 1.195             | 0.034          | 0                 | 0    | 0          | 5            |
| 073816       | PL.13269    | A                        | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92          | 0.83         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 1.195             | 0.000          | 6                 | 1    | 1          | 1            |
| PL.13270     | PL.13269    | A                        | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.92          | 1.64         | 1        | 12         | 2    | 99      | 0.00       | 0.0       | 1.242             | 0.047          | 0                 | 0    | 0          | 1            |
| 073818       | PL.13270    | A                        | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92          | 1.64         | 0        | 12         | 2    | 99      | 0.00       | 0.0       | 1.242             | 0.000          | 12                | 2    | 1          | 1            |
| PL.8124      | PL.13269    | A                        | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.92          | 2.72         | 1        | 20         | 3    | 99      | 0.00       | 0.0       | 1.214             | 0.019          | 0                 | 0    | 0          | 3            |
| 073819       | PL.8124     | A                        | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92          | 0.86         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 1.214             | 0.000          | 6                 | 1    | 1          | 1            |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes data for various elements like PL.8125, PL.4672, 073724, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PL.20193, P CP.34, PL.20194, PL.4574, PL.4675, PL.4673, PL.3956, 073610, PL.4674, PL.4682, 073612, 073604, 073613, PL.26474, 072643, PL.26475, PL.17306, PD.202-A, PD.202-B, PL.17307, 072634, PL.19218, PL.19219.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | Length<br>(mi) | Element |    | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|----------------|---------|----|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | KW    | KVAR  |                   |                |         |    |            |              |
| 072615       | PL.19219    | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 0.12         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 2.148 | 0.000 | 1                 | 0              | 1       | 1  |            |              |
| 072646       | PL.19219    | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 0.44         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 2.148 | 0.000 | 3                 | 0              | 1       | 1  |            |              |
| PL.7887      | PL.19219    | A   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.94                     | 1.19         | 1        | 9          | 1    | 99      | 0.00       | 0.0       | 2.174 | 0.026 | 0                 | 0              | 0       | 1  |            |              |
| 072647       | PL.7887     | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 1.19         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 2.174 | 0.000 | 9                 | 1              | 1       | 1  |            |              |
| 072644       | PL.19218    | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.04         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.119 | 0.000 | 0                 | 0              | 1       | 1  |            |              |
| 072632       | PL.19218    | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.119 | 0.000 | 0                 | 0              | 0       | 0  |            |              |
| PL.26476     | PL.17307    | A   | 336ACSR            | 7.50Y     | 125.1        | 0.00            | 0.93                     | 13.76        | 2        | 100        | 27   | 97      | 0.00       | 0.0       | 2.111 | 0.017 | 0                 | 0              | 0       | 13 |            |              |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.76                     | 11.27        | 2        | 82         | 21   | 97      |            |           | 0     | 0     | 0                 | 0              | 18      |    |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38                     | 5.28         | 1        | 39         | 10   | 97      |            |           | 0     | 0     | 0                 | 0              | 4       |    |            |              |
| 0726103      | PL.26476    | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.20         | 0        | 1          | 1    | 71      | 0.00       | 0.0       | 2.111 | 0.000 | 1                 | 1              | 1       | 1  |            |              |
| PL.26477     | PL.26476    | A   | 336ACSR            | 7.50Y     | 125.1        | 0.00            | 0.94                     | 11.71        | 2        | 85         | 22   | 97      | 0.00       | 0.0       | 2.136 | 0.026 | 0                 | 0              | 0       | 10 |            |              |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.77                     | 11.27        | 2        | 82         | 21   | 97      |            |           | 0     | 0     | 0                 | 0              | 18      |    |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38                     | 5.28         | 1        | 39         | 10   | 97      |            |           | 0     | 0     | 0                 | 0              | 4       |    |            |              |
| PL.4314      | PL.26477    | A   | 336ACSR            | 7.50Y     | 125.1        | 0.00            | 0.94                     | 6.09         | 1        | 44         | 14   | 95      | 0.00       | 0.0       | 2.171 | 0.035 | 0                 | 0              | 0       | 3  |            |              |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.77                     | 6.67         | 1        | 48         | 14   | 96      |            |           | 0     | 0     | 0                 | 0              | 8       |    |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38                     | 3.66         | 1        | 26         | 8    | 95      |            |           | 0     | 0     | 0                 | 0              | 1       |    |            |              |
| PL.4583      | PL.4314     | A   | 336ACSR            | 7.50Y     | 125.1        | 0.00            | 0.94                     | 6.09         | 1        | 44         | 14   | 95      | 0.00       | 0.0       | 2.193 | 0.022 | 0                 | 0              | 0       | 3  |            |              |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.77                     | 6.67         | 1        | 48         | 14   | 96      |            |           | 0     | 0     | 0                 | 0              | 8       |    |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38                     | 3.66         | 1        | 26         | 8    | 95      |            |           | 0     | 0     | 0                 | 0              | 1       |    |            |              |
| PL.4313      | PL.4583     | A   | 336ACSR            | 7.50Y     | 125.1        | 0.00            | 0.94                     | 6.09         | 1        | 44         | 14   | 95      | 0.00       | 0.0       | 2.227 | 0.034 | 0                 | 0              | 0       | 3  |            |              |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.77                     | 6.67         | 1        | 48         | 14   | 96      |            |           | 0     | 0     | 0                 | 0              | 8       |    |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38                     | 3.66         | 1        | 26         | 8    | 95      |            |           | 0     | 0     | 0                 | 0              | 1       |    |            |              |
| PL.7618      | PL.4313     | A   | 336ACSR            | 7.50Y     | 125.1        | 0.00            | 0.94                     | 2.42         | 0        | 17         | 6    | 94      | 0.00       | 0.0       | 2.252 | 0.026 | 0                 | 0              | 0       | 2  |            |              |
|              |             | B   |                    | 7.51Y     | 125.2        | -0.00           | 0.77                     | 0.60         | 0        | 4          | 1    | 99      |            |           | 0     | 0     | 0                 | 0              | 1       |    |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38                     | 0.00         | 0        | 0          | 0    | 100     |            |           | 0     | 0     | 0                 | 0              | 0       |    |            |              |
| 072678       | PL.7618     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.60         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 2.252 | 0.000 | 4                 | 1              | 1       | 1  |            |              |
| PL.7619      | PL.7618     | A   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.95                     | 2.42         | 1        | 17         | 6    | 94      | 0.00       | 0.0       | 2.286 | 0.033 | 0                 | 0              | 0       | 2  |            |              |
| 072668       | PL.7619     | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.95                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.286 | 0.000 | 0                 | 0              | 0       | 0  |            |              |
| 072667       | PL.7619     | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.95                     | 1.40         | 0        | 9          | 5    | 87      | 0.00       | 0.0       | 2.286 | 0.000 | 9                 | 5              | 1       | 1  |            |              |
| PL.4324      | PL.7619     | A   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.95                     | 1.05         | 1        | 8          | 1    | 99      | 0.00       | 0.0       | 2.330 | 0.044 | 0                 | 0              | 0       | 1  |            |              |
| 072676       | PL.4324     | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.95                     | 1.05         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 2.330 | 0.000 | 8                 | 1              | 1       | 1  |            |              |
| 072673       | PL.4313     | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.227 | 0.000 | 0                 | 0              | 0       | 0  |            |              |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.01         | 0        | 0          | 0    | 90      |            |           | 0     | 0     | 0                 | 0              | 0       |    |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38                     | 0.01         | 0        | 0          | 0    | 90      |            |           | 0     | 0     | 0                 | 0              | 0       |    |            |              |
| 072689       | PL.4313     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 1.27         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 2.227 | 0.000 | 9                 | 1              | 1       | 1  |            |              |
| 072652       | PL.4313     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.227 | 0.000 | 0                 | 0              | 1       | 1  |            |              |
| 072648       | PL.4313     | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 1.33         | 0        | 9          | 4    | 91      | 0.00       | 0.0       | 2.227 | 0.000 | 9                 | 4              | 0       | 0  |            |              |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.77                     | 1.33         | 0        | 9          | 4    | 90      |            |           | 9     | 4     | 0                 | 0              | 0       |    |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38                     | 1.32         | 0        | 9          | 4    | 90      |            |           | 9     | 4     | 0                 | 0              | 0       |    |            |              |
| 072650       | PL.4313     | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 2.37         | 0        | 17         | 4    | 97      | 0.00       | 0.0       | 2.227 | 0.000 | 17                | 4              | 0       | 0  |            |              |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.77                     | 2.36         | 0        | 17         | 4    | 97      |            |           | 17    | 4     | 0                 | 0              | 0       |    |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38                     | 2.35         | 0        | 17         | 4    | 97      |            |           | 17    | 4     | 0                 | 0              | 0       |    |            |              |
| 072640       | PL.4313     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.84         | 0        | 6          | 3    | 89      | 0.00       | 0.0       | 2.227 | 0.000 | 6                 | 3              | 1       | 1  |            |              |
| 072675       | PL.4313     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.17         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 2.227 | 0.000 | 1                 | 0              | 1       | 1  |            |              |
| 072661       | PL.4313     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.227 | 0.000 | 0                 | 0              | 0       | 0  |            |              |
| PL.4512      | PL.4313     | B   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.13         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 2.269 | 0.042 | 0                 | 0              | 0       | 2  |            |              |
| 0726099      | PL.4512     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.269 | 0.000 | 0                 | 0              | 1       | 1  |            |              |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |              |  |  |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|----------------|-------------------|--------------|--|--|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | KW    | KVAR  |                   |                | Cons<br>On        | Cons<br>Thru |  |  |
| 072696       | PL.4512     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77   | 0.13         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 2.269 | 0.000 | 1                 | 0              | 1                 | 1            |  |  |
| PL.26478     | PL.26477    | A   | 336ACSR            | 7.50Y     | 125.1        | 0.00            | 0.94   | 5.64         | 1        | 42         | 8    | 98      | 0.00       | 0.0       | 2.151 | 0.015 | 0                 | 0              | 0                 | 7            |  |  |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.77   | 4.61         | 1        | 34         | 8    | 98      |            |           |       |       | 0                 | 0              | 0                 | 10           |  |  |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38   | 1.64         | 0        | 12         | 2    | 99      |            |           |       |       | 0                 | 0              | 0                 | 3            |  |  |
| 072631       | PL.26478    | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94   | 1.47         | 0        | 11         | 2    | 98      | 0.00       | 0.0       | 2.151 | 0.000 | 11                | 2              | 1                 | 1            |  |  |
| 072619       | PL.26478    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77   | 0.93         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 2.151 | 0.000 | 7                 | 1              | 1                 | 1            |  |  |
| 072628       | PL.26478    | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94   | 0.16         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 2.151 | 0.000 | 1                 | 0              | 1                 | 1            |  |  |
| PL.26479     | PL.26478    | A   | 336ACSR            | 7.50Y     | 125.1        | 0.00            | 0.94   | 4.01         | 1        | 29         | 6    | 98      | 0.00       | 0.0       | 2.170 | 0.019 | 0                 | 0              | 0                 | 5            |  |  |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.77   | 3.69         | 1        | 27         | 7    | 97      |            |           |       |       | 0                 | 0              | 0                 | 9            |  |  |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38   | 1.64         | 0        | 12         | 2    | 99      |            |           |       |       | 0                 | 0              | 0                 | 3            |  |  |
| PL.13820     | PL.26479    | A   | 336ACSR            | 7.50Y     | 125.1        | 0.00            | 0.94   | 2.49         | 0        | 18         | 5    | 96      | 0.00       | 0.0       | 2.195 | 0.025 | 0                 | 0              | 0                 | 4            |  |  |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.77   | 3.10         | 0        | 23         | 5    | 98      |            |           |       |       | 0                 | 0              | 0                 | 8            |  |  |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38   | 1.64         | 0        | 12         | 2    | 99      |            |           |       |       | 0                 | 0              | 0                 | 3            |  |  |
| 072690       | PL.13820    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77   | 0.30         | 0        | 2          | 1    | 89      | 0.00       | 0.0       | 2.195 | 0.000 | 2                 | 1              | 1                 | 1            |  |  |
| 072638       | PL.13820    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77   | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.195 | 0.000 | 0                 | 0              | 1                 | 1            |  |  |
| 072639       | PL.13820    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77   | 0.34         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 2.195 | 0.000 | 3                 | 0              | 1                 | 1            |  |  |
| 072630       | PL.13820    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77   | 0.32         | 0        | 2          | 1    | 89      | 0.00       | 0.0       | 2.195 | 0.000 | 2                 | 1              | 1                 | 1            |  |  |
| 072679       | PL.13820    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77   | 1.19         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 2.195 | 0.000 | 9                 | 1              | 1                 | 1            |  |  |
| 072684       | PL.13820    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.195 | 0.000 | 0                 | 0              | 1                 | 1            |  |  |
| 072680       | PL.13820    | A   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94   | 0.94         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 2.195 | 0.000 | 7                 | 1              | 1                 | 1            |  |  |
| 072654       | PL.13820    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77   | 0.74         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 2.195 | 0.000 | 6                 | 1              | 1                 | 1            |  |  |
| PL.13821     | PL.13820    | A   | 336ACSR            | 7.50Y     | 125.1        | 0.00            | 0.94   | 1.57         | 0        | 11         | 4    | 94      | 0.00       | 0.0       | 2.216 | 0.021 | 0                 | 0              | 0                 | 3            |  |  |
|              |             | B   |                    | 7.51Y     | 125.2        | -0.00           | 0.77   | 0.20         | 0        | 1          | 0    | 99      |            |           |       |       | 0                 | 0              | 0                 | 1            |  |  |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38   | 1.64         | 0        | 12         | 2    | 99      |            |           |       |       | 0                 | 0              | 0                 | 3            |  |  |
| PL.7888      | PL.13821    | A   | 336ACSR            | 7.50Y     | 125.1        | 0.00            | 0.94   | 1.57         | 0        | 11         | 4    | 94      | 0.00       | 0.0       | 2.314 | 0.098 | 0                 | 0              | 0                 | 3            |  |  |
|              |             | B   |                    | 7.51Y     | 125.2        | -0.00           | 0.77   | 0.20         | 0        | 1          | 0    | 99      |            |           |       |       | 0                 | 0              | 0                 | 1            |  |  |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38   | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0                 | 0            |  |  |
| PL.7889      | PL.7888     | A   | 336ACSR            | 7.50Y     | 125.1        | 0.00            | 0.94   | 1.57         | 0        | 11         | 4    | 94      | 0.00       | 0.0       | 2.461 | 0.147 | 0                 | 0              | 0                 | 3            |  |  |
|              |             | B   |                    | 7.51Y     | 125.2        | -0.00           | 0.76   | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0                 | 0            |  |  |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38   | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0                 | 0            |  |  |
| PL.7892      | PL.7889     | A   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.95   | 0.94         | 0        | 6          | 3    | 89      | 0.00       | 0.0       | 2.500 | 0.039 | 0                 | 0              | 0                 | 1            |  |  |
| PL.13822     | PL.7892     | A   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 0.95   | 0.94         | 0        | 6          | 3    | 89      | 0.00       | 0.0       | 2.643 | 0.143 | 0                 | 0              | 0                 | 1            |  |  |
| PL.4579      | PL.13822    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.95   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.729 | 0.086 | 0                 | 0              | 0                 | 0            |  |  |
| PL.4509      | PL.4579     | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.95   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.772 | 0.043 | 0                 | 0              | 0                 | 0            |  |  |
| 072693       | PL.4509     | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.95   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.772 | 0.000 | 0                 | 0              | 0                 | 0            |  |  |
| 072669       | PL.4579     | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.95   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.729 | 0.000 | 0                 | 0              | 0                 | 0            |  |  |
| PL.13823     | PL.13822    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 0.96   | 0.94         | 0        | 6          | 3    | 89      | 0.00       | 0.0       | 2.829 | 0.186 | 0                 | 0              | 0                 | 1            |  |  |
| 072641       | PL.13823    | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.96   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.829 | 0.000 | 0                 | 0              | 0                 | 0            |  |  |
| PL.4580      | PL.13823    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.96   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.900 | 0.071 | 0                 | 0              | 0                 | 0            |  |  |
| 072660       | PL.4580     | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.96   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.900 | 0.000 | 0                 | 0              | 0                 | 0            |  |  |
| PL.7886      | PL.13823    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.96   | 0.94         | 0        | 6          | 3    | 89      | 0.00       | 0.0       | 2.902 | 0.073 | 0                 | 0              | 0                 | 1            |  |  |
| 0726021      | PL.7886     | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.96   | 0.94         | 0        | 6          | 3    | 89      | 0.00       | 0.0       | 2.902 | 0.000 | 6                 | 3              | 1                 | 1            |  |  |
| PL.13824     | PL.7889     | A   | 336ACSR            | 7.50Y     | 125.1        | 0.00            | 0.94   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.805 | 0.344 | 0                 | 0              | 0                 | 0            |  |  |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.76   | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0                 | 0            |  |  |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38   | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0                 | 0            |  |  |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.13825, PD.4342-B, 072662, etc.



Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes data for various elements like 0726101, 072683, etc.

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 2 (STANTON2) Beginning with Device PD.3917.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.28050, PL.14054, PL.228, PL.227, PL.7408, 606806, 606804, 606812, PL.17399, PL.17400, PL.14059, 607903, PL.7409, PL.28417, PL.22765, P CP.19, PL.19856, PL.18959, PD.3582, PL.18960, PL.17655.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |      |            |              |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|----------------|-------------------|------|------------|--------------|
|              |             |     |                    |           |              |                 | -Base Voltage:120.0-     |              |          |            |      |         |            |           |       |       |                   |                | KW                | KVAR | Cons<br>On | Cons<br>Thru |
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss |       |       |                   |                |                   |      |            |              |
| PL.17656     | PL.17655    | A   | 1/0CU              | 7.48Y     | 124.7        | 0.01            | 1.31                     | 114.90       | 27       | 847        | 150  | 98      | 0.16       | 0.0       | 1.354 | 0.009 | 0                 | 0              | 0                 | 173  |            |              |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.01            | 0.87                     | 101.43       | 23       | 754        | 110  | 99      |            |           |       |       | 0                 | 0              | 0                 | 166  |            |              |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.01            | 1.17                     | 96.93        | 22       | 714        | 130  | 98      |            |           |       |       | 0                 | 0              | 0                 | 144  |            |              |
| PL.27424     | PL.17656    | B   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.87                     | 2.50         | 1        | 19         | 3    | 99      | 0.00       | 0.0       | 1.359 | 0.005 | 0                 | 0              | 0                 | 4    |            |              |
| PD.2937      | PL.27424    | B   | fuse6AMP           | 7.51Y     | 125.1        | 0.00            | 0.87                     | 2.50         | 43       | 19         | 3    | 99      | 0.00       | 0.0       | 1.359 | 0.000 | 0                 | 0              | 0                 | 4    |            |              |
| PL.16957     | PD.2937     | B   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.87                     | 2.50         | 1        | 19         | 3    | 99      | 0.00       | 0.0       | 1.370 | 0.011 | 0                 | 0              | 0                 | 4    |            |              |
| 637208       | PL.16957    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87                     | 0.05         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.370 | 0.000 | 0                 | 0              | 1                 | 1    |            |              |
| 637207       | PL.16957    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87                     | 0.14         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 1.370 | 0.000 | 1                 | 0              | 1                 | 1    |            |              |
| 637201       | PL.16957    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87                     | 1.28         | 0        | 10         | 1    | 100     | 0.00       | 0.0       | 1.370 | 0.000 | 10                | 1              | 1                 | 1    |            |              |
| 637202       | PL.16957    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87                     | 1.03         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 1.370 | 0.000 | 8                 | 1              | 1                 | 1    |            |              |
| PL.26561     | PL.17656    | A   | 6ACWC              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 7.96         | 4        | 52         | 29   | 87      | 0.02       | 0.0       | 1.373 | 0.019 | 0                 | 0              | 0                 | 2    |            |              |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.01            | 0.87                     | 9.24         | 5        | 62         | 31   | 90      |            |           |       |       | 0                 | 0              | 0                 | 4    |            |              |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.01            | 1.19                     | 18.23        | 9        | 127        | 51   | 93      |            |           |       |       | 0                 | 0              | 0                 | 22   |            |              |
| PL.21366     | PL.26561    | A   | 6ACWC              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 5.70         | 3        | 37         | 22   | 86      | 0.03       | 0.0       | 1.411 | 0.038 | 0                 | 0              | 0                 | 2    |            |              |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.01            | 0.88                     | 5.89         | 3        | 38         | 22   | 87      |            |           |       |       | 0                 | 0              | 0                 | 2    |            |              |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.03            | 1.21                     | 15.97        | 8        | 111        | 44   | 93      |            |           |       |       | 0                 | 0              | 0                 | 22   |            |              |
| 637312       | PL.21366    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.23         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 1.411 | 0.000 | 2                 | 0              | 0                 | 0    |            |              |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.23         | 0        | 2          | 0    | 99      |            |           |       |       | 2                 | 0              | 0                 | 0    |            |              |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.23         | 0        | 2          | 0    | 99      |            |           |       |       | 2                 | 0              | 0                 | 0    |            |              |
| 638306       | PL.21366    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.411 | 0.000 | 0                 | 0              | 0                 | 0    |            |              |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0                 | 0    |            |              |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0                 | 0    |            |              |
| 638211       | PL.21366    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 5.48         | 0        | 35         | 22   | 85      | 0.00       | 0.0       | 1.411 | 0.000 | 35                | 22             | 0                 | 0    |            |              |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.88                     | 5.46         | 0        | 35         | 22   | 85      |            |           |       |       | 35                | 22             | 0                 | 0    |            |              |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.00            | 1.21                     | 5.48         | 0        | 35         | 22   | 85      |            |           |       |       | 35                | 22             | 0                 | 0    |            |              |
| PL.21367     | PL.21366    | A   | 6ACWC              | 7.48Y     | 124.7        | -0.00           | 1.31                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.428 | 0.018 | 0                 | 0              | 0                 | 1    |            |              |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.89                     | 0.24         | 0        | 2          | 0    | 99      |            |           |       |       | 0                 | 0              | 0                 | 1    |            |              |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.01            | 1.22                     | 10.40        | 5        | 75         | 22   | 96      |            |           |       |       | 0                 | 0              | 0                 | 21   |            |              |
| 638304       | PL.21367    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.89                     | 0.24         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 1.428 | 0.000 | 2                 | 0              | 1                 | 1    |            |              |
| PL.26562     | PL.21367    | A   | 6ACWC              | 7.48Y     | 124.7        | -0.01           | 1.31                     | 0.01         | 0        | 0          | 0    | 100     | 0.01       | 0.0       | 1.470 | 0.042 | 0                 | 0              | 0                 | 1    |            |              |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.89                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0                 | 0    |            |              |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.02            | 1.24                     | 10.40        | 5        | 75         | 22   | 96      |            |           |       |       | 0                 | 0              | 0                 | 21   |            |              |
| PL.7818      | PL.26562    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.03            | 1.27                     | 10.39        | 5        | 75         | 22   | 96      | 0.02       | 0.0       | 1.532 | 0.062 | 0                 | 0              | 0                 | 20   |            |              |
| PL.26563     | PL.7818     | C   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.28                     | 10.21        | 5        | 73         | 22   | 96      | 0.01       | 0.0       | 1.555 | 0.023 | 0                 | 0              | 0                 | 18   |            |              |
| PL.26564     | PL.26563    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.29                     | 9.70         | 5        | 69         | 21   | 96      | 0.01       | 0.0       | 1.587 | 0.032 | 0                 | 0              | 0                 | 16   |            |              |
| 639304       | PL.26564    | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.29                     | 0.60         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 1.587 | 0.000 | 4                 | 1              | 1                 | 1    |            |              |
| 639407       | PL.26564    | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.29                     | 0.19         | 0        | 1          | 1    | 71      | 0.00       | 0.0       | 1.587 | 0.000 | 1                 | 1              | 1                 | 1    |            |              |
| PL.26565     | PL.26564    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.30                     | 8.91         | 5        | 64         | 20   | 95      | 0.00       | 0.0       | 1.610 | 0.022 | 0                 | 0              | 0                 | 14   |            |              |
| PL.26567     | PL.26565    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 1.11         | 1        | 8          | 1    | 99      | 0.00       | 0.0       | 1.626 | 0.016 | 0                 | 0              | 0                 | 4    |            |              |
| 639303       | PL.26567    | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 1.626 | 0.000 | 2                 | 0              | 1                 | 1    |            |              |
| PL.26568     | PL.26567    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.85         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 1.694 | 0.068 | 0                 | 0              | 0                 | 3    |            |              |
| PL.26569     | PL.26568    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.51         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 1.771 | 0.077 | 0                 | 0              | 0                 | 2    |            |              |
| 639202       | PL.26569    | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 1.771 | 0.000 | 2                 | 0              | 1                 | 1    |            |              |
| 639201       | PL.26569    | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 1.771 | 0.000 | 2                 | 0              | 1                 | 1    |            |              |
| 6392013      | PL.26569    | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.771 | 0.000 | 0                 | 0              | 0                 | 0    |            |              |
| 639305       | PL.26568    | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.35         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.694 | 0.000 | 3                 | 0              | 1                 | 1    |            |              |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf         | Type/<br>Conductor | Pri<br>kV                                 | Base<br>Volt         | Element<br>Drop      | Units Displayed In Volts |              |                |             |                |                      |                   | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |             | Cons<br>On  | Cons<br>Thru |        |
|--------------|-------------|-------------|--------------------|---|----------------------|----------------------|--------------------------|--------------|----------------|-------------|----------------|----------------------|-------------------|-------------------|----------------|-------------------|-------------|-------------|--------------|--------|
|              |             |             |                    |   |                      |                      | Accum<br>Drop            | Thru<br>Amps | %<br>Cap       | Thru<br>KW  | KVAR           | %<br>PF              | kW<br>Loss        |                   |                | %<br>Loss         | KW          |             |              | KVAR   |
| PL.26566     | PL.26565    | C           | 4ACSR              | 7.48Y                                     | 124.7                | 0.00                 | 1.31                     | 7.82         | 4              | 55          | 19             | 95                   | 0.00              | 0.0               | 1.623          | 0.013             | 0           | 0           | 0            | 10     |
| PL.26570     | PL.26566    | C           | 4ACSR              | 7.48Y                                     | 124.6                | 0.05                 | 1.36                     | 7.82         | 4              | 55          | 19             | 95                   | 0.02              | 0.0               | 1.768          | 0.145             | 0           | 0           | 0            | 10     |
| PL.26571     | PL.26570    | C           | 4ACSR              | 7.48Y                                     | 124.6                | 0.02                 | 1.38                     | 4.11         | 2              | 29          | 11             | 93                   | 0.00              | 0.0               | 1.875          | 0.107             | 0           | 0           | 0            | 5      |
| 072912       | PL.26571    | C           | Consumer           | 7.48Y                                     | 124.6                | 0.00                 | 1.38                     | 1.21         | 0              | 9           | 1              | 99                   | 0.00              | 0.0               | 1.875          | 0.000             | 9           | 1           | 1            | 1      |
| PL.26572     | PL.26571    | C           | 4ACSR              | 7.48Y                                     | 124.6                | 0.02                 | 1.40                     | 2.94         | 2              | 20          | 10             | 89                   | 0.00              | 0.0               | 2.001          | 0.127             | 0           | 0           | 0            | 4      |
| PL.4834      | PL.26572    | C           | 4ACSR              | 7.48Y                                     | 124.6                | 0.00                 | 1.40                     | 2.94         | 2              | 20          | 10             | 89                   | 0.00              | 0.0               | 2.031          | 0.030             | 0           | 0           | 0            | 4      |
| PL.4835      | PL.4834     | C           | 4ACSR              | 7.48Y                                     | 124.6                | 0.00                 | 1.40                     | 0.98         | 1              | 7           | 3              | 92                   | 0.00              | 0.0               | 2.065          | 0.034             | 0           | 0           | 0            | 2      |
| 072915       | PL.4835     | C           | Consumer           | 7.48Y                                     | 124.6                | 0.00                 | 1.40                     | 0.02         | 0              | 0           | 0              | 100                  | 0.00              | 0.0               | 2.065          | 0.000             | 0           | 0           | 1            | 1      |
| 072917       | PL.4835     | C           | Consumer           | 7.48Y                                     | 124.6                | 0.00                 | 1.40                     | 0.96         | 0              | 6           | 3              | 89                   | 0.00              | 0.0               | 2.065          | 0.000             | 6           | 3           | 1            | 1      |
| PL.7627      | PL.4834     | C           | 4ACSR              | 7.48Y                                     | 124.6                | 0.00                 | 1.40                     | 1.96         | 1              | 13          | 6              | 91                   | 0.00              | 0.0               | 2.058          | 0.027             | 0           | 0           | 0            | 2      |
| PL.7628      | PL.7627     | C           | 4ACSR              | 7.48Y                                     | 124.6                | 0.00                 | 1.40                     | 0.00         | 0              | 0           | 0              | 100                  | 0.00              | 0.0               | 2.058          | 0.000             | 0           | 0           | 0            | 0      |
| 072914       | PL.7627     | C           | Consumer           | 7.48Y                                     | 124.6                | 0.00                 | 1.40                     | 1.89         | 0              | 13          | 6              | 91                   | 0.00              | 0.0               | 2.058          | 0.000             | 13          | 6           | 1            | 1      |
| 072916       | PL.7627     | C           | Consumer           | 7.48Y                                     | 124.6                | 0.00                 | 1.40                     | 0.07         | 0              | 0           | 0              | 100                  | 0.00              | 0.0               | 2.058          | 0.000             | 0           | 0           | 1            | 1      |
| PL.26573     | PL.26572    | C           | 4ACSR              | 7.48Y                                     | 124.6                | 0.00                 | 1.40                     | 0.00         | 0              | 0           | 0              | 100                  | 0.00              | 0.0               | 2.054          | 0.053             | 0           | 0           | 0            | 0      |
| PL.386       | PL.26573    | C           | 4ACSR              | 7.48Y                                     | 124.6                | 0.00                 | 1.40                     | 0.00         | 0              | 0           | 0              | 100                  | 0.00              | 0.0               | 2.213          | 0.159             | 0           | 0           | 0            | 0      |
| PL.25201     | PL.26570    | C           | 4ACSR              | 7.48Y                                     | 124.6                | 0.00                 | 1.36                     | 1.00         | 1              | 7           | 1              | 99                   | 0.00              | 0.0               | 1.836          | 0.068             | 0           | 0           | 0            | 2      |
| 072913       | PL.25201    | C           | Consumer           | 7.48Y                                     | 124.6                | 0.00                 | 1.36                     | 0.00         | 0              | 0           | 0              | 100                  | 0.00              | 0.0               | 1.836          | 0.000             | 0           | 0           | 0            | 0      |
| 072901       | PL.25201    | C           | Consumer           | 7.48Y                                     | 124.6                | 0.00                 | 1.36                     | 0.63         | 0              | 5           | 1              | 98                   | 0.00              | 0.0               | 1.836          | 0.000             | 5           | 1           | 1            | 1      |
| PL.25202     | PL.25201    | C           | 4ACSR              | 7.48Y                                     | 124.6                | 0.00                 | 1.36                     | 0.36         | 0              | 3           | 0              | 100                  | 0.00              | 0.0               | 1.885          | 0.049             | 0           | 0           | 0            | 1      |
| 072905       | PL.25202    | C           | Consumer           | 7.48Y                                     | 124.6                | 0.00                 | 1.36                     | 0.36         | 0              | 3           | 0              | 100                  | 0.00              | 0.0               | 1.885          | 0.000             | 3           | 0           | 1            | 1      |
| 072906       | PL.26570    | C           | Consumer           | 7.48Y                                     | 124.6                | 0.00                 | 1.36                     | 1.76         | 0              | 12          | 6              | 89                   | 0.00              | 0.0               | 1.768          | 0.000             | 12          | 6           | 1            | 1      |
| 072907       | PL.26570    | C           | Consumer           | 7.48Y                                     | 124.6                | 0.00                 | 1.36                     | 0.60         | 0              | 4           | 1              | 97                   | 0.00              | 0.0               | 1.768          | 0.000             | 4           | 1           | 1            | 1      |
| 072911       | PL.26570    | C           | Consumer           | 7.48Y                                     | 124.6                | 0.00                 | 1.36                     | 0.40         | 0              | 3           | 0              | 100                  | 0.00              | 0.0               | 1.768          | 0.000             | 3           | 0           | 1            | 1      |
| 639308       | PL.26563    | C           | Consumer           | 7.48Y                                     | 124.7                | 0.00                 | 1.28                     | 0.22         | 0              | 2           | 0              | 100                  | 0.00              | 0.0               | 1.555          | 0.000             | 2           | 0           | 1            | 1      |
| 639307       | PL.26563    | C           | Consumer           | 7.48Y                                     | 124.7                | 0.00                 | 1.28                     | 0.29         | 0              | 2           | 0              | 100                  | 0.00              | 0.0               | 1.555          | 0.000             | 2           | 0           | 1            | 1      |
| 6383010      | PL.7818     | C           | Consumer           | 7.48Y                                     | 124.7                | 0.00                 | 1.27                     | 0.00         | 0              | 0           | 0              | 100                  | 0.00              | 0.0               | 1.532          | 0.000             | 0           | 0           | 0            | 0      |
| PL.7768      | PL.7818     | C           | 4ACSR              | 7.48Y                                     | 124.7                | 0.00                 | 1.27                     | 0.19         | 0              | 1           | 0              | 100                  | 0.00              | 0.0               | 1.548          | 0.016             | 0           | 0           | 0            | 2      |
| PL.7769      | PL.7768     | C           | 4ACSR              | 7.48Y                                     | 124.7                | 0.00                 | 1.27                     | 0.05         | 0              | 0           | 0              | 100                  | 0.00              | 0.0               | 1.591          | 0.043             | 0           | 0           | 0            | 1      |
| 639302       | PL.7769     | C           | Consumer           | 7.48Y                                     | 124.7                | 0.00                 | 1.27                     | 0.05         | 0              | 0           | 0              | 100                  | 0.00              | 0.0               | 1.591          | 0.000             | 0           | 0           | 1            | 1      |
| 639301       | PL.7768     | C           | Consumer           | 7.48Y                                     | 124.7                | 0.00                 | 1.27                     | 0.14         | 0              | 1           | 0              | 100                  | 0.00              | 0.0               | 1.548          | 0.000             | 1           | 0           | 1            | 1      |
| PL.3880      | PL.26562    | A<br>C      | 4ACSR              | 7.48Y 124.7<br>7.49Y 124.8                | 0.00<br>0.00         | 1.31<br>1.24         | 0.01<br>0.01             | 0<br>0       | 0<br>0         | 0<br>0      | 0<br>0         | 100<br>90            | 0.00<br>0.00      | 0.0<br>0.0        | 1.522          | 0.051             | 0<br>0      | 0<br>0      | 0<br>0       | 1<br>1 |
| 638307       | PL.3880     | A<br>C      | Consumer           | 7.48Y 124.7<br>7.49Y 124.8                | 0.00<br>0.00         | 1.31<br>1.24         | 0.00<br>0.00             | 0<br>0       | 0<br>0         | 0<br>0      | 0<br>0         | 100<br>90            | 0.00<br>0.00      | 0.0<br>0.0        | 1.522          | 0.000             | 0<br>0      | 0<br>0      | 1<br>1       | 1<br>1 |
| 638302       | PL.3880     | A<br>C      | Consumer           | 7.48Y 124.7<br>7.49Y 124.8                | 0.00<br>0.00         | 1.31<br>1.24         | 0.01<br>0.01             | 0<br>0       | 0<br>0         | 0<br>0      | 0<br>0         | 100<br>90            | 0.00<br>0.00      | 0.0<br>0.0        | 1.522          | 0.000             | 0<br>0      | 0<br>0      | 1<br>1       | 1<br>1 |
| 637203       | PL.26561    | B           | Consumer           | 7.51Y                                     | 125.1                | 0.00                 | 0.87                     | 1.13         | 0              | 8           | 1              | 99                   | 0.00              | 0.0               | 1.373          | 0.000             | 8           | 1           | 1            | 1      |
| PL.7770      | PL.26561    | A<br>B<br>C | 1/0CU              | 7.48Y 124.7<br>7.51Y 125.1<br>7.49Y 124.8 | 0.00<br>0.00<br>0.00 | 1.31<br>0.87<br>1.19 | 2.27<br>2.28<br>2.27     | 1<br>1<br>1  | 15<br>15<br>15 | 7<br>7<br>7 | 91<br>90<br>90 | 0.00<br>0.00<br>0.00 | 0.0<br>0.0<br>0.0 | 1.401             | 0.028          | 0<br>0<br>0       | 0<br>0<br>0 | 0<br>0<br>0 | 1<br>2<br>1  |        |
| 638213       | PL.7770     | B           | Consumer           | 7.51Y                                     | 125.1                | 0.00                 | 0.87                     | 0.02         | 0              | 0           | 0              | 100                  | 0.00              | 0.0               | 1.401          | 0.000             | 0           | 0           | 1            | 1      |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |    | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------------|------|---------|------------|-----------|-------------------|-------------------|----|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW |            |      |         |            |           |                   | Length<br>(mi)    | KW |            |              |
| PL.7771      | PL.7770     | A   | 1/0CU              | 7.48Y     | 124.7        | 0.00            | 1.31   | 2.27         | 1        | 15         | 7          | 91   | 0.00    | 0.0        | 1.428     | 0.027             | 0                 | 0  | 0          | 1            |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.88   | 2.26         | 1        | 15         | 7          | 90   |         |            |           |                   | 0                 | 0  | 0          | 1            |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.00            | 1.19   | 2.27         | 1        | 15         | 7          | 90   |         |            |           |                   | 0                 | 0  | 0          | 1            |
| 638212       | PL.7771     | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31   | 2.04         | 0        | 14         | 7          | 89   | 0.00    | 0.0        | 1.428     | 0.000             | 14                | 7  | 0          | 0            |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.88   | 2.04         | 0        | 14         | 7          | 90   |         |            |           |                   | 14                | 7  | 0          | 0            |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.00            | 1.19   | 2.04         | 0        | 14         | 7          | 90   |         |            |           |                   | 14                | 7  | 0          | 0            |
| 638203       | PL.7771     | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31   | 0.23         | 0        | 2          | 1          | 89   | 0.00    | 0.0        | 1.428     | 0.000             | 2                 | 1  | 0          | 0            |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.88   | 0.23         | 0        | 2          | 1          | 90   |         |            |           |                   | 2                 | 1  | 0          | 0            |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.00            | 1.19   | 0.23         | 0        | 2          | 1          | 90   |         |            |           |                   | 2                 | 1  | 0          | 0            |
| 637209       | PL.17656    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31   | 0.00         | 0        | 0          | 0          | 100  | 0.00    | 0.0        | 1.354     | 0.000             | 0                 | 0  | 0          | 0            |
| 637204       | PL.17656    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31   | 2.08         | 0        | 15         | 2          | 99   | 0.00    | 0.0        | 1.354     | 0.000             | 15                | 2  | 1          | 1            |
| PL.7827      | PL.17656    | A   | 1/0CU              | 7.48Y     | 124.7        | 0.00            | 1.31   | 105.34       | 24       | 779        | 119        | 99   | 0.02    | 0.0        | 1.355     | 0.002             | 0                 | 0  | 0          | 170          |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.87   | 90.20        | 21       | 673        | 76         | 99   |         |            |           |                   | 0                 | 0  | 0          | 157          |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.00            | 1.17   | 79.16        | 18       | 588        | 79         | 99   |         |            |           |                   | 0                 | 0  | 0          | 122          |
| PL.291       | PL.7827     | A   | 1/0CU              | 7.48Y     | 124.6        | 0.10            | 1.41   | 105.34       | 24       | 779        | 119        | 99   | 1.05    | 0.1        | 1.428     | 0.073             | 0                 | 0  | 0          | 170          |
|              |             | B   |                    | 7.50Y     | 125.1        | 0.06            | 0.92   | 90.20        | 21       | 673        | 76         | 99   |         |            |           |                   | 0                 | 0  | 0          | 157          |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.06            | 1.24   | 79.16        | 18       | 588        | 79         | 99   |         |            |           |                   | 0                 | 0  | 0          | 122          |
| 637301       | PL.291      | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.24   | 0.54         | 0        | 4          | 1          | 97   | 0.00    | 0.0        | 1.428     | 0.000             | 4                 | 1  | 1          | 1            |
| 637308       | PL.291      | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92   | 0.28         | 0        | 2          | 0          | 100  | 0.00    | 0.0        | 1.428     | 0.000             | 2                 | 0  | 1          | 1            |
| 637302       | PL.291      | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.24   | 0.30         | 0        | 2          | 0          | 100  | 0.00    | 0.0        | 1.428     | 0.000             | 2                 | 0  | 1          | 1            |
| 637305       | PL.291      | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.00         | 0        | 0          | 0          | 100  | 0.00    | 0.0        | 1.428     | 0.000             | 0                 | 0  | 0          | 0            |
| PL.20396     | PL.291      | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.77         | 0        | 6          | 1          | 99   | 0.01    | 0.0        | 1.434     | 0.006             | 0                 | 0  | 0          | 2            |
|              |             | B   |                    | 7.50Y     | 125.1        | 0.01            | 0.93   | 22.13        | 11       | 164        | 24         | 99   |         |            |           |                   | 0                 | 0  | 0          | 51           |
| PD.2939<br>C | PL.20396    | A   | fuse8AMP           | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.77         | 10       | 6          | 1          | 99   | 0.00    | 0.0        | 1.434     | 0.000             | 0                 | 0  | 0          | 2            |
|              |             | B   |                    | 7.50Y     | 125.1        | 0.00            | 0.93   | 22.13        | 378      | 164        | 24         | 99   |         |            |           |                   | 0                 | 0  | 0          | 51 C         |
| PL.20397     | PD.2939     | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.77         | 0        | 6          | 1          | 99   | 0.01    | 0.0        | 1.440     | 0.006             | 0                 | 0  | 0          | 2            |
|              |             | B   |                    | 7.50Y     | 125.1        | 0.01            | 0.93   | 22.13        | 11       | 164        | 24         | 99   |         |            |           |                   | 0                 | 0  | 0          | 51           |
| PD.3580      | PL.20397    | A   | 50V4E              | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.77         | 0        | 6          | 1          | 99   | 0.00    | 0.0        | 1.440     | 0.000             | 0                 | 0  | 0          | 2            |
|              |             | B   |                    | 7.50Y     | 125.1        | 0.00            | 0.93   | 22.13        | 0        | 164        | 24         | 99   |         |            |           |                   | 0                 | 0  | 0          | 51           |
| PL.20398     | PD.3580     | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.77         | 0        | 6          | 1          | 99   | 0.03    | 0.0        | 1.467     | 0.027             | 0                 | 0  | 0          | 2            |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.03            | 0.96   | 22.13        | 11       | 164        | 24         | 99   |         |            |           |                   | 0                 | 0  | 0          | 51           |
| PL.7575      | PL.20398    | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.42   | 0.77         | 0        | 6          | 1          | 99   | 0.03    | 0.0        | 1.498     | 0.031             | 0                 | 0  | 0          | 2            |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.03            | 0.99   | 21.57        | 11       | 160        | 24         | 99   |         |            |           |                   | 0                 | 0  | 0          | 48           |
| PL.292       | PL.7575     | A   | 4ACSR              | 7.47Y     | 124.6        | 0.01            | 1.42   | 0.77         | 0        | 6          | 1          | 99   | 0.06    | 0.0        | 1.563     | 0.065             | 0                 | 0  | 0          | 2            |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.05            | 1.04   | 19.63        | 10       | 146        | 22         | 99   |         |            |           |                   | 0                 | 0  | 0          | 43           |
| PL.38849     | PL.292      | A   | 4ACSR              | 7.47Y     | 124.6        | 0.00            | 1.42   | 0.77         | 0        | 6          | 1          | 99   | 0.00    | 0.0        | 1.565     | 0.002             | 0                 | 0  | 0          | 2            |
| PD.6741      | PL.38849    | A   | fuse6AMP           | 7.47Y     | 124.6        | 0.00            | 1.42   | 0.77         | 13       | 6          | 1          | 99   | 0.00    | 0.0        | 1.565     | 0.000             | 0                 | 0  | 0          | 2            |
| PL.38850     | PD.6741     | A   | 4ACSR              | 7.47Y     | 124.6        | 0.00            | 1.43   | 0.77         | 0        | 6          | 1          | 99   | 0.00    | 0.0        | 1.609     | 0.044             | 0                 | 0  | 0          | 2            |
| 636218       | PL.38850    | A   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.43   | 0.32         | 0        | 2          | 0          | 100  | 0.00    | 0.0        | 1.609     | 0.000             | 2                 | 0  | 1          | 1            |
| 636201       | PL.38850    | A   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.43   | 0.44         | 0        | 3          | 0          | 100  | 0.00    | 0.0        | 1.609     | 0.000             | 3                 | 0  | 1          | 1            |
| 636301       | PL.292      | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.04   | 0.24         | 0        | 2          | 0          | 100  | 0.00    | 0.0        | 1.563     | 0.000             | 2                 | 0  | 1          | 1            |
| 636306       | PL.292      | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.04   | 0.21         | 0        | 1          | 1          | 71   | 0.00    | 0.0        | 1.563     | 0.000             | 1                 | 1  | 1          | 1            |
| PL.38851     | PL.292      | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.04   | 19.19        | 10       | 142        | 21         | 99   | 0.00    | 0.0        | 1.566     | 0.003             | 0                 | 0  | 0          | 41           |
| PD.6742-A    | PL.38851    | B   | Closed             | 7.50Y     | 125.0        | 0.00            | 1.04   | 19.19        | 0        | 142        | 21         | 99   | 0.00    | 0.0        | 1.566     | 0.000             | 0                 | 0  | 0          | 41           |
| PD.6742-B    | PD.6742-A   | B   | Closed             | 7.50Y     | 125.0        | 0.00            | 1.04   | 19.19        | 0        | 142        | 21         | 99   | 0.00    | 0.0        | 1.566     | 0.000             | 0                 | 0  | 0          | 41           |
| PL.38852     | PD.6742-B   | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.05   | 19.19        | 10       | 142        | 21         | 99   | 0.00    | 0.0        | 1.570     | 0.004             | 0                 | 0  | 0          | 41           |
| PL.7759      | PL.38852    | B   | 4ACSR              | 7.50Y     | 124.9        | 0.02            | 1.07   | 19.18        | 10       | 142        | 21         | 99   | 0.02    | 0.0        | 1.598     | 0.028             | 0                 | 0  | 0          | 40           |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 636302       | PL.7759     | B   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.07                     | 0.18         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.598                               | 0.000 | 1    | 0          | 1            | 1  |
| 636314       | PL.7759     | B   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.07                     | 0.87         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.598                               | 0.000 | 6    | 1          | 1            | 1  |
| 635302       | PL.7759     | B   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.07                     | 0.27         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 1.598                               | 0.000 | 2    | 1          | 1            | 1  |
| 635301       | PL.7759     | B   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.07                     | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.598                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.7760      | PL.7759     | B   | 4ACSR              | 7.49Y     | 124.9        | 0.04            | 1.11                     | 17.75        | 9        | 132        | 18      | 99         | 0.04      | 0.0               | 1.653                               | 0.055 | 0    | 0          | 0            | 36 |
| PL.26574     | PL.7760     | B   | 4ACSR              | 7.49Y     | 124.9        | 0.01            | 1.12                     | 16.82        | 9        | 125        | 17      | 99         | 0.01      | 0.0               | 1.663                               | 0.011 | 0    | 0          | 0            | 33 |
| 636430       | PL.26574    | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.12                     | 1.17         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.663                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.26375     | PL.26574    | B   | 4ACSR              | 7.49Y     | 124.8        | 0.04            | 1.16                     | 12.38        | 6        | 92         | 13      | 99         | 0.03      | 0.0               | 1.747                               | 0.083 | 0    | 0          | 0            | 26 |
| PL.38855     | PL.26375    | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.16                     | 2.53         | 1        | 19         | 3       | 99         | 0.00      | 0.0               | 1.749                               | 0.003 | 0    | 0          | 0            | 5  |
| PD.6744      | PL.38855    | B   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.16                     | 2.53         | 43       | 19         | 3       | 99         | 0.00      | 0.0               | 1.749                               | 0.000 | 0    | 0          | 0            | 5  |
| PL.38856     | PD.6744     | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.17                     | 2.53         | 1        | 19         | 3       | 99         | 0.00      | 0.0               | 1.759                               | 0.010 | 0    | 0          | 0            | 5  |
| 636411       | PL.38856    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.41         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.759                               | 0.000 | 3    | 0          | 1            | 1  |
| 636410       | PL.38856    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.759                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.3882      | PL.38856    | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.17                     | 1.88         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 1.783                               | 0.024 | 0    | 0          | 0            | 3  |
| 636420       | PL.3882     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.14         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.783                               | 0.000 | 1    | 0          | 1            | 1  |
| 636425       | PL.3882     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.75         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.783                               | 0.000 | 6    | 1          | 1            | 1  |
| 636428       | PL.3882     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.98         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.783                               | 0.000 | 7    | 1          | 1            | 1  |
| 636419       | PL.3882     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.783                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.19161     | PL.26375    | B   | 4ACSR              | 7.49Y     | 124.8        | 0.02            | 1.18                     | 6.41         | 3        | 48         | 7       | 99         | 0.01      | 0.0               | 1.809                               | 0.063 | 0    | 0          | 0            | 10 |
| 636509       | PL.19161    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.18                     | 0.44         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.809                               | 0.000 | 3    | 0          | 1            | 1  |
| 636508       | PL.19161    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.18                     | 0.92         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.809                               | 0.000 | 7    | 1          | 1            | 1  |
| 636514       | PL.19161    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.18                     | 0.91         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.809                               | 0.000 | 7    | 1          | 1            | 1  |
| 636501       | PL.19161    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.18                     | 0.27         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.809                               | 0.000 | 2    | 0          | 1            | 1  |
| 636513       | PL.19161    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.18                     | 0.97         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.809                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.19162     | PL.19161    | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.18                     | 2.90         | 1        | 22         | 3       | 99         | 0.00      | 0.0               | 1.834                               | 0.025 | 0    | 0          | 0            | 5  |
| PL.7577      | PL.19162    | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.19                     | 1.00         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 1.851                               | 0.017 | 0    | 0          | 0            | 1  |
| PL.29574     | PL.7577     | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.19                     | 1.00         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 1.910                               | 0.059 | 0    | 0          | 0            | 1  |
| 636601       | PL.29574    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.19                     | 1.00         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.910                               | 0.000 | 7    | 1          | 1            | 1  |
| 636511       | PL.19162    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.18                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.834                               | 0.000 | 2    | 0          | 1            | 1  |
| 636504       | PL.19162    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.18                     | 1.42         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.834                               | 0.000 | 11   | 1          | 1            | 1  |
| 6355004      | PL.19162    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.834                               | 0.000 | 0    | 0          | 0            | 0  |
| 635502       | PL.19162    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.834                               | 0.000 | 0    | 0          | 1            | 1  |
| 636510       | PL.19162    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.18                     | 0.27         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.834                               | 0.000 | 2    | 0          | 1            | 1  |
| 636503       | PL.26375    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.16                     | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.747                               | 0.000 | 1    | 0          | 1            | 1  |
| 636422       | PL.26375    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.16                     | 0.51         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.747                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.38857     | PL.26375    | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.17                     | 2.84         | 1        | 21         | 3       | 99         | 0.00      | 0.0               | 1.752                               | 0.005 | 0    | 0          | 0            | 9  |
| PD.6745      | PL.38857    | B   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 2.84         | 48       | 21         | 3       | 99         | 0.00      | 0.0               | 1.752                               | 0.000 | 0    | 0          | 0            | 9  |
| PL.38858     | PD.6745     | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.17                     | 2.84         | 1        | 21         | 3       | 99         | 0.00      | 0.0               | 1.775                               | 0.023 | 0    | 0          | 0            | 9  |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.3426      | PL.38858    | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.17                     | 1.56         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 1.806                               | 0.031 | 0    | 0          | 0            | 5 |
| 636505       | PL.3426     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 1.13         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.806                               | 0.000 | 8    | 1          | 1            | 1 |
| 636507       | PL.3426     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.806                               | 0.000 | 0    | 0          | 0            | 0 |
| 636515       | PL.3426     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.806                               | 0.000 | 0    | 0          | 1            | 1 |
| 636512       | PL.3426     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.806                               | 0.000 | 0    | 0          | 1            | 1 |
| 636517       | PL.3426     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.806                               | 0.000 | 0    | 0          | 1            | 1 |
| 636506       | PL.3426     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.806                               | 0.000 | 3    | 0          | 1            | 1 |
| 636416       | PL.38858    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.25         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.775                               | 0.000 | 2    | 0          | 1            | 1 |
| 636415       | PL.38858    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.41         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.775                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.3885      | PL.38858    | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.62         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.798                               | 0.023 | 0    | 0          | 0            | 2 |
| 635402       | PL.3885     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.798                               | 0.000 | 0    | 0          | 0            | 0 |
| 636413       | PL.3885     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.798                               | 0.000 | 3    | 0          | 1            | 1 |
| 635401       | PL.3885     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.798                               | 0.000 | 0    | 0          | 0            | 0 |
| 636414       | PL.3885     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.17                     | 0.27         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.798                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.38853     | PL.26574    | B   | 4ACSR              | 7.49Y     | 124.9        | 0.00            | 1.12                     | 3.27         | 2        | 24         | 3       | 99         | 0.00      | 0.0               | 1.666                               | 0.003 | 0    | 0          | 0            | 6 |
| PD.6743      | PL.38853    | B   | fuse6AMP           | 7.49Y     | 124.9        | 0.00            | 1.12                     | 3.27         | 56       | 24         | 3       | 99         | 0.00      | 0.0               | 1.666                               | 0.000 | 0    | 0          | 0            | 6 |
| PL.38854     | PD.6743     | B   | 4ACSR              | 7.49Y     | 124.9        | 0.00            | 1.12                     | 3.27         | 2        | 24         | 3       | 99         | 0.00      | 0.0               | 1.678                               | 0.012 | 0    | 0          | 0            | 6 |
| PL.7574      | PL.38854    | B   | 4ACSR              | 7.49Y     | 124.9        | 0.00            | 1.12                     | 1.33         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 1.704                               | 0.026 | 0    | 0          | 0            | 4 |
| 636313       | PL.7574     | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.12                     | 0.25         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.704                               | 0.000 | 2    | 0          | 1            | 1 |
| 636423       | PL.7574     | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.12                     | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.704                               | 0.000 | 3    | 0          | 1            | 1 |
| 636421       | PL.7574     | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.12                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.704                               | 0.000 | 2    | 0          | 1            | 1 |
| 636312       | PL.7574     | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.12                     | 0.38         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.704                               | 0.000 | 3    | 0          | 1            | 1 |
| 636432       | PL.38854    | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.12                     | 0.71         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.678                               | 0.000 | 5    | 1          | 1            | 1 |
| 636429       | PL.38854    | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.12                     | 1.23         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.678                               | 0.000 | 9    | 1          | 1            | 1 |
| 636405       | PL.7760     | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.11                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.653                               | 0.000 | 2    | 0          | 1            | 1 |
| 636310       | PL.7760     | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.11                     | 0.48         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 1.653                               | 0.000 | 4    | 0          | 1            | 1 |
| 636311       | PL.7760     | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.11                     | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.653                               | 0.000 | 1    | 0          | 1            | 1 |
| 636307       | PL.38852    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.05                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.570                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.38847     | PL.7575     | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.42                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.502                               | 0.005 | 0    | 0          | 0            | 0 |
| PD.6740      | PL.38847    | A   | fuse6AMP           | 7.48Y     | 124.6        | 0.00            | 1.42                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.502                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.38848     | PD.6740     | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.42                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.552                               | 0.050 | 0    | 0          | 0            | 0 |
| PD.2938-B    | PL.38848    | A   | Open               | 7.48Y     | 124.6        | 0.00            | 1.42                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.552                               | 0.000 | 0    | 0          | 0            | 0 |
| 636308       | PL.7575     | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.99                     | 0.53         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.498                               | 0.000 | 4    | 1          | 1            | 1 |
| 636304       | PL.7575     | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.99                     | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.498                               | 0.000 | 1    | 0          | 1            | 1 |
| 636305       | PL.7575     | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.99                     | 0.18         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.498                               | 0.000 | 1    | 0          | 1            | 1 |
| 636309       | PL.7575     | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.99                     | 0.54         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.498                               | 0.000 | 4    | 1          | 1            | 1 |
| 636303       | PL.7575     | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.99                     | 0.59         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.498                               | 0.000 | 4    | 1          | 1            | 1 |
| 637306       | PL.20398    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.96                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.467                               | 0.000 | 2    | 0          | 1            | 1 |



Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |                      |      |                      |      | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |   | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|----------------------|------|----------------------|------|---------|------------|-----------|-------------------|-------------------|---|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW           | KVAR | mi<br>Length<br>(mi) | KW   |         |            |           |                   | KVAR              |   |            |              |
|              |             |     |                    |           |              |                 | Thru<br>%<br>Cap         | Thru<br>KW   | KVAR     | mi<br>Length<br>(mi) | KW   | KVAR                 | On   |         |            |           |                   | Thru              |   |            |              |
| 637310       | PL.20398    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.96                     | 0.04         | 0        | 0                    | 0    | 100                  | 0.00 | 0.0     | 1.467      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| 637307       | PL.20398    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.96                     | 0.19         | 0        | 1                    | 0    | 100                  | 0.00 | 0.0     | 1.467      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| PL.18295     | PL.291      | A   | 1/0CU              | 7.48Y     | 124.6        | 0.00            | 1.41                     | 104.58       | 24       | 773                  | 117  | 99                   | 0.03 | 0.0     | 1.431      | 0.002     | 0                 | 0                 | 0 | 168        |              |
|              |             | B   |                    | 7.50Y     | 125.1        | 0.00            | 0.92                     | 67.80        | 16       | 506                  | 51   | 99                   |      |         |            |           | 0                 | 0                 | 0 | 105        |              |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.00            | 1.24                     | 78.32        | 18       | 581                  | 78   | 99                   |      |         |            |           | 0                 | 0                 | 0 | 120        |              |
| PL.18296     | PL.18295    | A   | 1/0CU              | 7.47Y     | 124.5        | 0.05            | 1.46                     | 104.58       | 24       | 773                  | 117  | 99                   | 0.50 | 0.0     | 1.471      | 0.040     | 0                 | 0                 | 0 | 168        |              |
|              |             | B   |                    | 7.50Y     | 125.1        | 0.02            | 0.94                     | 67.80        | 16       | 506                  | 51   | 99                   |      |         |            |           | 0                 | 0                 | 0 | 105        |              |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.04            | 1.28                     | 78.32        | 18       | 581                  | 78   | 99                   |      |         |            |           | 0                 | 0                 | 0 | 120        |              |
| PL.32291     | PL.18296    | A   | 1/0CU              | 7.47Y     | 124.5        | 0.06            | 1.52                     | 103.84       | 24       | 767                  | 116  | 99                   | 0.55 | 0.0     | 1.516      | 0.045     | 0                 | 0                 | 0 | 166        |              |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.02            | 0.96                     | 67.80        | 16       | 506                  | 51   | 99                   |      |         |            |           | 0                 | 0                 | 0 | 105        |              |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.05            | 1.33                     | 76.79        | 18       | 570                  | 76   | 99                   |      |         |            |           | 0                 | 0                 | 0 | 115        |              |
| PL.31927     | PL.32291    | A   | 1/0CU              | 7.47Y     | 124.4        | 0.05            | 1.57                     | 103.84       | 24       | 767                  | 115  | 99                   | 0.52 | 0.0     | 1.559      | 0.042     | 0                 | 0                 | 0 | 166        |              |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.02            | 0.98                     | 67.80        | 16       | 506                  | 51   | 99                   |      |         |            |           | 0                 | 0                 | 0 | 105        |              |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.04            | 1.37                     | 76.79        | 18       | 569                  | 76   | 99                   |      |         |            |           | 0                 | 0                 | 0 | 115        |              |
| PL.31921     | PL.31927    | A   | 1/0CU              | 7.46Y     | 124.4        | 0.04            | 1.61                     | 100.68       | 23       | 743                  | 112  | 99                   | 0.39 | 0.0     | 1.592      | 0.033     | 0                 | 0                 | 0 | 158        |              |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.02            | 1.00                     | 67.51        | 16       | 504                  | 51   | 99                   |      |         |            |           | 0                 | 0                 | 0 | 104        |              |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.03            | 1.40                     | 76.18        | 18       | 565                  | 75   | 99                   |      |         |            |           | 0                 | 0                 | 0 | 114        |              |
| PL.31922     | PL.31921    | A   | 1/0CU              | 7.46Y     | 124.4        | 0.01            | 1.62                     | 100.68       | 23       | 743                  | 111  | 99                   | 0.12 | 0.0     | 1.602      | 0.010     | 0                 | 0                 | 0 | 158        |              |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.00            | 1.00                     | 67.51        | 16       | 504                  | 51   | 99                   |      |         |            |           | 0                 | 0                 | 0 | 104        |              |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.01            | 1.41                     | 76.18        | 18       | 565                  | 75   | 99                   |      |         |            |           | 0                 | 0                 | 0 | 114        |              |
| PL.20181     | PL.31922    | A   | 1/0CU              | 7.46Y     | 124.4        | 0.00            | 1.63                     | 102.00       | 24       | 743                  | 165  | 98                   | 0.02 | 0.0     | 1.604      | 0.002     | 0                 | 0                 | 0 | 158        |              |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.00            | 1.00                     | 68.61        | 16       | 504                  | 105  | 98                   |      |         |            |           | 0                 | 0                 | 0 | 104        |              |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.00            | 1.41                     | 77.46        | 18       | 565                  | 129  | 98                   |      |         |            |           | 0                 | 0                 | 0 | 114        |              |
| 637410       | PL.20181    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.00                     | 0.19         | 0        | 1                    | 0    | 100                  | 0.00 | 0.0     | 1.604      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 637406       | PL.20181    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.00                     | 0.16         | 0        | 1                    | 0    | 100                  | 0.00 | 0.0     | 1.604      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 637415       | PL.20181    | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.63                     | 0.10         | 0        | 1                    | 0    | 100                  | 0.00 | 0.0     | 1.604      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 637408       | PL.20181    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.00                     | 0.28         | 0        | 2                    | 0    | 100                  | 0.00 | 0.0     | 1.604      | 0.000     | 2                 | 0                 | 1 | 1          |              |
| 637412       | PL.20181    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.00                     | 0.56         | 0        | 4                    | 1    | 97                   | 0.00 | 0.0     | 1.604      | 0.000     | 4                 | 1                 | 1 | 1          |              |
| PL.7750      | PL.20181    | A   | 1/0CU              | 7.45Y     | 124.2        | 0.13            | 1.76                     | 101.90       | 24       | 742                  | 165  | 98                   | 1.23 | 0.1     | 1.707      | 0.103     | 0                 | 0                 | 0 | 157        |              |
|              |             | B   |                    | 7.50Y     | 124.9        | 0.05            | 1.06                     | 67.42        | 16       | 495                  | 104  | 98                   |      |         |            |           | 0                 | 0                 | 0 | 100        |              |
|              |             | C   |                    | 7.47Y     | 124.5        | 0.11            | 1.52                     | 77.46        | 18       | 565                  | 129  | 98                   |      |         |            |           | 0                 | 0                 | 0 | 114        |              |
| PL.17408     | PL.7750     | A   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.76                     | 0.00         | 0        | 0                    | 0    | 100                  | 0.00 | 0.0     | 1.712      | 0.006     | 0                 | 0                 | 0 | 0          |              |
| PD.2940      | PL.17408    | A   | fuse6AMP           | 7.45Y     | 124.2        | 0.00            | 1.76                     | 0.00         | 0        | 0                    | 0    | 100                  | 0.00 | 0.0     | 1.712      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| PL.17409     | PD.2940     | A   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.76                     | 0.00         | 0        | 0                    | 0    | 100                  | 0.00 | 0.0     | 1.762      | 0.049     | 0                 | 0                 | 0 | 0          |              |
| 636516       | PL.17409    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.76                     | 0.00         | 0        | 0                    | 0    | 100                  | 0.00 | 0.0     | 1.762      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| PL.17410     | PL.7750     | A   | 6ACWC              | 7.45Y     | 124.2        | 0.00            | 1.76                     | 16.55        | 9        | 115                  | 44   | 93                   | 0.01 | 0.0     | 1.712      | 0.006     | 0                 | 0                 | 0 | 22         |              |
|              |             | B   |                    | 7.50Y     | 124.9        | 0.00            | 1.06                     | 9.06         | 5        | 59                   | 33   | 87                   |      |         |            |           | 0                 | 0                 | 0 | 7          |              |
|              |             | C   |                    | 7.47Y     | 124.5        | 0.00            | 1.53                     | 8.18         | 4        | 52                   | 32   | 85                   |      |         |            |           | 0                 | 0                 | 0 | 1          |              |
| C PD.2935    | PL.17410    | A   | fuse6AMP           | 7.45Y     | 124.2        | 0.00            | 1.76                     | 16.55        | 283      | 115                  | 44   | 93                   | 0.00 | 0.0     | 1.712      | 0.000     | 0                 | 0                 | 0 | 22 C       |              |
| C            |             | B   |                    | 7.50Y     | 124.9        | 0.00            | 1.06                     | 9.06         | 155      | 59                   | 33   | 87                   |      |         |            |           | 0                 | 0                 | 0 | 7 C        |              |
| C            |             | C   |                    | 7.47Y     | 124.5        | 0.00            | 1.53                     | 8.18         | 140      | 52                   | 32   | 85                   |      |         |            |           | 0                 | 0                 | 0 | 1 C        |              |
| PL.17411     | PD.2935     | A   | 6ACWC              | 7.45Y     | 124.2        | 0.08            | 1.85                     | 16.55        | 9        | 115                  | 44   | 93                   | 0.11 | 0.0     | 1.829      | 0.116     | 0                 | 0                 | 0 | 22         |              |
|              |             | B   |                    | 7.49Y     | 124.9        | 0.03            | 1.09                     | 9.06         | 5        | 59                   | 33   | 87                   |      |         |            |           | 0                 | 0                 | 0 | 7          |              |
|              |             | C   |                    | 7.47Y     | 124.4        | 0.04            | 1.57                     | 8.18         | 4        | 52                   | 32   | 85                   |      |         |            |           | 0                 | 0                 | 0 | 1          |              |
| PL.38940     | PL.17411    | A   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.85                     | 7.57         | 4        | 56                   | 8    | 99                   | 0.00 | 0.0     | 1.835      | 0.007     | 0                 | 0                 | 0 | 18         |              |
| PD.6779-A    | PL.38940    | A   | Closed             | 7.45Y     | 124.2        | 0.00            | 1.85                     | 7.57         | 0        | 56                   | 8    | 99                   | 0.00 | 0.0     | 1.835      | 0.000     | 0                 | 0                 | 0 | 18         |              |
| PD.6779-B    | PD.6779-A   | A   | Closed             | 7.45Y     | 124.2        | 0.00            | 1.85                     | 7.57         | 0        | 56                   | 8    | 99                   | 0.00 | 0.0     | 1.835      | 0.000     | 0                 | 0                 | 0 | 18         |              |
| PL.38941     | PD.6779-B   | A   | 4ACSR              | 7.45Y     | 124.1        | 0.02            | 1.87                     | 7.57         | 4        | 56                   | 8    | 99                   | 0.01 | 0.0     | 1.905      | 0.070     | 0                 | 0                 | 0 | 18         |              |
| 638501       | PL.38941    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.87                     | 0.10         | 0        | 1                    | 0    | 100                  | 0.00 | 0.0     | 1.905      | 0.000     | 1                 | 0                 | 1 | 1          |              |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| PL.41316     | PL.38941    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.87                     | 7.47         | 4        | 55         | 8       | 99         | 0.00      | 0.0               | 1.913                               | 0.008 | 0    | 0          | 0            | 17   |
| PL.41573     | PL.41316    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.88                     | 5.46         | 3        | 40         | 6       | 99         | 0.00      | 0.0               | 1.927                               | 0.014 | 0    | 0          | 0            | 10   |
| C PD.7485    | PL.41573    | A   | fuse6AMP           | 7.45Y     | 124.1        | 0.00            | 1.88                     | 5.46         | 93       | 40         | 6       | 99         | 0.00      | 0.0               | 1.927                               | 0.000 | 0    | 0          | 0            | 10 C |
| PL.41572     | PD.7485     | A   | 4ACSR              | 7.45Y     | 124.1        | 0.01            | 1.89                     | 5.46         | 3        | 40         | 6       | 99         | 0.00      | 0.0               | 1.972                               | 0.045 | 0    | 0          | 0            | 10   |
| 6384013      | PL.41572    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.972                               | 0.000 | 0    | 0          | 0            | 0    |
| 6384010      | PL.41572    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 0.19         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.972                               | 0.000 | 1    | 0          | 1            | 1    |
| 6384009      | PL.41572    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 0.83         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.972                               | 0.000 | 6    | 1          | 1            | 1    |
| 6384008      | PL.41572    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 0.85         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.972                               | 0.000 | 6    | 1          | 1            | 1    |
| PL.39510     | PL.41572    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.89                     | 3.59         | 2        | 27         | 4       | 99         | 0.00      | 0.0               | 1.999                               | 0.028 | 0    | 0          | 0            | 7    |
| PL.41320     | PL.39510    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.01            | 1.90                     | 2.30         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 2.055                               | 0.055 | 0    | 0          | 0            | 4    |
| PL.41321     | PL.41320    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.90                     | 1.42         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 2.097                               | 0.042 | 0    | 0          | 0            | 1    |
| 638406       | PL.41321    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.097                               | 0.000 | 0    | 0          | 0            | 0    |
| 638407       | PL.41321    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 1.42         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.097                               | 0.000 | 10   | 1          | 1            | 1    |
| 638402       | PL.41320    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.055                               | 0.000 | 0    | 0          | 0            | 0    |
| 637411       | PL.41320    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.36         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.055                               | 0.000 | 3    | 0          | 1            | 1    |
| 637404       | PL.41320    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.055                               | 0.000 | 1    | 0          | 1            | 1    |
| 637419       | PL.41320    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.055                               | 0.000 | 3    | 0          | 1            | 1    |
| 6384012      | PL.39510    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 0.45         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.999                               | 0.000 | 3    | 0          | 1            | 1    |
| 6384014      | PL.39510    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.999                               | 0.000 | 0    | 0          | 1            | 1    |
| 6384011      | PL.39510    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.999                               | 0.000 | 6    | 1          | 1            | 1    |
| PL.41317     | PL.41316    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.87                     | 2.01         | 1        | 15         | 3       | 98         | 0.00      | 0.0               | 1.934                               | 0.021 | 0    | 0          | 0            | 7    |
| 638502       | PL.41317    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.87                     | 0.75         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.934                               | 0.000 | 6    | 1          | 1            | 1    |
| 639507       | PL.41317    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.87                     | 0.25         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 1.934                               | 0.000 | 2    | 1          | 1            | 1    |
| PL.3879      | PL.41317    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.88                     | 1.02         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 2.009                               | 0.075 | 0    | 0          | 0            | 5    |
| 639410       | PL.3879     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.009                               | 0.000 | 1    | 0          | 1            | 1    |
| 638404       | PL.3879     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88                     | 0.60         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.009                               | 0.000 | 4    | 1          | 1            | 1    |
| 639401       | PL.3879     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.009                               | 0.000 | 0    | 0          | 1            | 1    |
| 639409       | PL.3879     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88                     | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.009                               | 0.000 | 1    | 0          | 1            | 1    |
| 639402       | PL.3879     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88                     | 0.19         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.009                               | 0.000 | 1    | 0          | 1            | 1    |
| PL.7820      | PL.17411    | A   | 1/0CU              | 7.45Y     | 124.1        | 0.01            | 1.85                     | 8.20         | 2        | 52         | 32      | 85         | 0.01      | 0.0               | 1.871                               | 0.042 | 0    | 0          | 0            | 1    |
|              |             | B   |                    | 7.49Y     | 124.9        | 0.01            | 1.09                     | 9.06         | 2        | 59         | 33      | 87         |           |                   | 0                                   | 0     | 0    | 0          | 7            |      |
|              |             | C   |                    | 7.47Y     | 124.4        | 0.00            | 1.57                     | 8.18         | 2        | 52         | 32      | 85         |           |                   | 0                                   | 0     | 0    | 0          | 1            |      |
| 638608       | PL.7820     | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.09                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.871                               | 0.000 | 0    | 0          | 1            | 1    |
| 638606       | PL.7820     | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.09                     | 0.17         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.871                               | 0.000 | 1    | 0          | 1            | 1    |
| 638601       | PL.7820     | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.09                     | 0.20         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.871                               | 0.000 | 1    | 0          | 1            | 1    |
| PL.28418     | PL.7820     | A   | 1/0CU              | 7.45Y     | 124.1        | 0.01            | 1.86                     | 8.20         | 2        | 52         | 32      | 85         | 0.01      | 0.0               | 1.915                               | 0.044 | 0    | 0          | 0            | 1    |
|              |             | B   |                    | 7.49Y     | 124.9        | 0.01            | 1.10                     | 8.70         | 2        | 56         | 33      | 86         |           |                   | 0                                   | 0     | 0    | 0          | 4            |      |
|              |             | C   |                    | 7.47Y     | 124.4        | 0.00            | 1.58                     | 8.18         | 2        | 52         | 32      | 85         |           |                   | 0                                   | 0     | 0    | 0          | 1            |      |
| 638604       | PL.28418    | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.10                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.915                               | 0.000 | 2    | 0          | 1            | 1    |
| 638603       | PL.28418    | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.10                     | 0.17         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.915                               | 0.000 | 1    | 0          | 1            | 1    |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 638602, PL.28419, 638707, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |     |
| PL.26383     | PL.26382    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.38                     | 11.17        | 6        | 83         | 11        | 99         | 0.00      | 0.0               | 2.304             | 0.006 | 0          | 0            | 0    | 17  |
| 632808       | PL.26383    | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.38                     | 0.85         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 2.304             | 0.000 | 6          | 1            | 1    | 1   |
| PL.38878     | PL.26383    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.38                     | 4.90         | 3        | 36         | 5         | 99         | 0.00      | 0.0               | 2.309             | 0.005 | 0          | 0            | 0    | 5   |
| C PD.6754    | PL.38878    | B   | fuse6AMP           | 7.48Y     | 124.6        | 0.00            | 1.38                     | 4.90         | 84       | 36         | 5         | 99         | 0.00      | 0.0               | 2.309             | 0.000 | 0          | 0            | 0    | 5 C |
| PL.38879     | PD.6754     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.04            | 1.42                     | 4.90         | 3        | 36         | 5         | 99         | 0.01      | 0.0               | 2.481             | 0.173 | 0          | 0            | 0    | 5   |
| PL.7764      | PL.38879    | B   | 4ACSR              | 7.47Y     | 124.6        | 0.00            | 1.42                     | 0.97         | 1        | 7          | 1         | 99         | 0.00      | 0.0               | 2.536             | 0.054 | 0          | 0            | 0    | 3   |
| 632603       | PL.7764     | B   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.42                     | 0.11         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 2.536             | 0.000 | 1          | 0            | 1    | 1   |
| 632605       | PL.7764     | B   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.42                     | 0.31         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 2.536             | 0.000 | 2          | 0            | 1    | 1   |
| PL.7765      | PL.7764     | B   | 4ACSR              | 7.47Y     | 124.6        | 0.00            | 1.42                     | 0.55         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 2.603             | 0.067 | 0          | 0            | 0    | 1   |
| PL.7763      | PL.7765     | B   | 4ACSR              | 7.47Y     | 124.6        | 0.00            | 1.42                     | 0.55         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 2.641             | 0.038 | 0          | 0            | 0    | 1   |
| 633501       | PL.7763     | B   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.42                     | 0.55         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 2.641             | 0.000 | 4          | 1            | 1    | 1   |
| 632601       | PL.38879    | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.42                     | 3.09         | 0        | 23         | 3         | 99         | 0.00      | 0.0               | 2.481             | 0.000 | 23         | 3            | 1    | 1   |
| 632604       | PL.38879    | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.42                     | 0.83         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 2.481             | 0.000 | 6          | 1            | 1    | 1   |
| PL.38882     | PL.26383    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.38                     | 5.42         | 3        | 40         | 6         | 99         | 0.00      | 0.0               | 2.306             | 0.003 | 0          | 0            | 0    | 11  |
| PD.6756-A    | PL.38882    | B   | Closed             | 7.48Y     | 124.6        | 0.00            | 1.38                     | 5.42         | 0        | 40         | 6         | 99         | 0.00      | 0.0               | 2.306             | 0.000 | 0          | 0            | 0    | 11  |
| PD.6756-B    | PD.6756-A   | B   | Closed             | 7.48Y     | 124.6        | 0.00            | 1.38                     | 5.42         | 0        | 40         | 6         | 99         | 0.00      | 0.0               | 2.306             | 0.000 | 0          | 0            | 0    | 11  |
| PL.38883     | PD.6756-B   | B   | 4ACSR              | 7.48Y     | 124.6        | 0.01            | 1.39                     | 5.42         | 3        | 40         | 6         | 99         | 0.00      | 0.0               | 2.365             | 0.059 | 0          | 0            | 0    | 11  |
| 632807       | PL.38883    | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.39                     | 0.23         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 2.365             | 0.000 | 2          | 0            | 1    | 1   |
| 632803       | PL.38883    | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.39                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.365             | 0.000 | 0          | 0            | 1    | 1   |
| PL.26386     | PL.38883    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.01            | 1.40                     | 5.17         | 3        | 38         | 5         | 99         | 0.00      | 0.0               | 2.406             | 0.041 | 0          | 0            | 0    | 9   |
| PL.26387     | PL.26386    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.01            | 1.41                     | 4.66         | 2        | 35         | 5         | 99         | 0.00      | 0.0               | 2.434             | 0.028 | 0          | 0            | 0    | 8   |
| PL.38881     | PL.26387    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41                     | 4.44         | 2        | 33         | 5         | 99         | 0.00      | 0.0               | 2.435             | 0.002 | 0          | 0            | 0    | 7   |
| PD.6755      | PL.38881    | B   | fuse6AMP           | 7.48Y     | 124.6        | 0.00            | 1.41                     | 4.44         | 76       | 33         | 5         | 99         | 0.00      | 0.0               | 2.435             | 0.000 | 0          | 0            | 0    | 7   |
| PL.38886     | PD.6755     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41                     | 4.44         | 2        | 33         | 5         | 99         | 0.00      | 0.0               | 2.437             | 0.001 | 0          | 0            | 0    | 7   |
| PL.38887     | PL.38886    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41                     | 1.95         | 1        | 14         | 2         | 99         | 0.00      | 0.0               | 2.488             | 0.051 | 0          | 0            | 0    | 3   |
| 632802       | PL.38887    | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.41                     | 0.96         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 2.488             | 0.000 | 7          | 1            | 1    | 1   |
| PL.7767      | PL.38887    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41                     | 0.99         | 1        | 7          | 1         | 99         | 0.00      | 0.0               | 2.535             | 0.047 | 0          | 0            | 0    | 2   |
| 631807       | PL.7767     | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.41                     | 0.51         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 2.535             | 0.000 | 4          | 1            | 1    | 1   |
| 632806       | PL.7767     | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.41                     | 0.49         | 0        | 4          | 0         | 100        | 0.00      | 0.0               | 2.535             | 0.000 | 4          | 0            | 1    | 1   |
| PL.38885     | PL.38886    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41                     | 0.39         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 2.487             | 0.050 | 0          | 0            | 0    | 1   |
| 632902       | PL.38885    | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.41                     | 0.39         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 2.487             | 0.000 | 3          | 0            | 1    | 1   |
| PL.38888     | PL.38886    | B   | 4ACSR              | 7.47Y     | 124.6        | 0.01            | 1.42                     | 2.11         | 1        | 16         | 2         | 99         | 0.00      | 0.0               | 2.527             | 0.090 | 0          | 0            | 0    | 3   |
| 631903       | PL.38888    | B   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.42                     | 0.37         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 2.527             | 0.000 | 3          | 0            | 1    | 1   |
| 631902       | PL.38888    | B   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.42                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.527             | 0.000 | 0          | 0            | 1    | 1   |
| 631901       | PL.38888    | B   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.42                     | 1.73         | 0        | 13         | 2         | 99         | 0.00      | 0.0               | 2.527             | 0.000 | 13         | 2            | 1    | 1   |
| PL.26388     | PL.26387    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41                     | 0.22         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 2.490             | 0.056 | 0          | 0            | 0    | 1   |
| 632901       | PL.26388    | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.41                     | 0.22         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 2.490             | 0.000 | 2          | 0            | 1    | 1   |
| 632801       | PL.26386    | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.40                     | 0.51         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 2.406             | 0.000 | 4          | 1            | 1    | 1   |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf         | Type/<br>Conductor | Pri<br>kV               | Base<br>Volt            | Element<br>Drop      | Units Displayed In Volts |                         |                |                   |                 |                |           | mi<br>From<br>Src | Length<br>(mi) | Element |      | Cons<br>On | Cons<br>Thru |   |                  |   |
|--------------|-------------|-------------|--------------------|-------------------------|-------------------------|----------------------|--------------------------|-------------------------|----------------|-------------------|-----------------|----------------|-----------|-------------------|----------------|---------|------|------------|--------------|---|------------------|---|
|              |             |             |                    |                         |                         |                      | Accum<br>Drop            | Thru<br>Amps            | %<br>Cap       | Thru<br>KW        | %<br>PF         | kW<br>Loss     | %<br>Loss |                   |                | KW      | KVAR |            |              |   |                  |   |
| P PL.45159   | PL.45157    | B           | 4ACSR              | 7.49Y                   | 124.8                   | -0.00                | 1.25                     | -0.05                   | 0              | 0                 | 0               | 100            | 0.00      | 0.0               | 2.100          | 0.036   | 0    | 0          | 0            | 0 | P                |   |
| P PL.45160   | PL.45159    | B           | 1/0EPRJCN          | 7.49Y                   | 124.8                   | -0.00                | 1.25                     | -0.05                   | 0              | 0                 | 0               | 100            | 0.00      | 0.0               | 2.176          | 0.076   | 0    | 0          | 0            | 0 | 0                | P |
| 6345001      | PL.45160    | B           | Consumer           | 7.49Y                   | 124.8                   | 0.00                 | 1.25                     | 0.00                    | 0              | 0                 | 0               | 100            | 0.00      | 0.0               | 2.176          | 0.000   | 0    | 0          | 0            | 0 | 0                |   |
| 6346001      | PL.45160    | B           | Consumer           | 7.49Y                   | 124.8                   | 0.00                 | 1.25                     | 0.00                    | 0              | 0                 | 0               | 100            | 0.00      | 0.0               | 2.176          | 0.000   | 0    | 0          | 0            | 0 | 0                |   |
| 635701       | PL.26380    | B           | Consumer           | 7.49Y                   | 124.8                   | 0.00                 | 1.23                     | 0.68                    | 0              | 5                 | 1               | 98             | 0.00      | 0.0               | 2.033          | 0.000   | 5    | 1          | 1            | 1 | 1                |   |
| 636702       | PL.18542    | B           | Consumer           | 7.49Y                   | 124.8                   | 0.00                 | 1.19                     | 0.57                    | 0              | 4                 | 1               | 97             | 0.00      | 0.0               | 1.960          | 0.000   | 4    | 1          | 1            | 1 | 1                |   |
| 635702       | PL.18542    | B           | Consumer           | 7.49Y                   | 124.8                   | 0.00                 | 1.19                     | 0.04                    | 0              | 0                 | 0               | 100            | 0.00      | 0.0               | 1.960          | 0.000   | 0    | 0          | 1            | 1 | 1                |   |
| PL.26389     | PL.17413    | A<br>B<br>C | 1/0CU              | 7.44Y<br>7.49Y<br>7.46Y | 124.0<br>124.9<br>124.3 | 0.05<br>0.01<br>0.05 | 1.96<br>1.14<br>1.72     | 85.37<br>43.54<br>69.77 | 20<br>10<br>16 | 624<br>322<br>512 | 119<br>54<br>96 | 98<br>99<br>98 | 0.39      | 0.0               | 1.906          | 0.048   | 0    | 0          | 0            | 0 | 135<br>71<br>114 |   |
| PL.26390     | PL.26389    | A<br>B<br>C | 1/0CU              | 7.44Y<br>7.49Y<br>7.45Y | 124.0<br>124.8<br>124.2 | 0.07<br>0.02<br>0.08 | 2.03<br>1.15<br>1.79     | 85.37<br>43.25<br>68.77 | 20<br>10<br>16 | 624<br>319<br>504 | 119<br>54<br>94 | 98<br>99<br>98 | 0.59      | 0.0               | 1.979          | 0.073   | 0    | 0          | 0            | 0 | 135<br>70<br>113 |   |
| PL.290       | PL.26390    | A<br>B<br>C | 1/0CU              | 7.43Y<br>7.49Y<br>7.45Y | 123.8<br>124.8<br>124.1 | 0.15<br>0.03<br>0.12 | 2.19<br>1.18<br>1.91     | 78.49<br>39.60<br>50.86 | 18<br>9<br>12  | 574<br>293<br>373 | 105<br>49<br>67 | 98<br>99<br>98 | 0.93      | 0.1               | 2.134          | 0.155   | 0    | 0          | 0            | 0 | 123<br>61<br>73  |   |
| PL.38943     | PL.290      | A           | 2ACSR              | 7.43Y                   | 123.8                   | 0.00                 | 2.19                     | 0.00                    | 0              | 0                 | 0               | 100            | 0.00      | 0.0               | 2.136          | 0.002   | 0    | 0          | 0            | 0 | 0                |   |
| PD.6780      | PL.38943    | A           | fuse6AMP           | 7.43Y                   | 123.8                   | 0.00                 | 2.19                     | 0.00                    | 0              | 0                 | 0               | 100            | 0.00      | 0.0               | 2.136          | 0.000   | 0    | 0          | 0            | 0 | 0                |   |
| 637911       | PD.6780     | A           | Consumer           | 7.43Y                   | 123.8                   | 0.00                 | 2.19                     | 0.00                    | 0              | 0                 | 0               | 100            | 0.00      | 0.0               | 2.136          | 0.000   | 0    | 0          | 0            | 0 | 0                |   |
| PL.3873      | PL.290      | A<br>B<br>C | 1/0CU              | 7.43Y<br>7.49Y<br>7.44Y | 123.8<br>124.8<br>124.0 | 0.06<br>0.02<br>0.05 | 2.24<br>1.20<br>1.96     | 58.20<br>37.36<br>45.46 | 13<br>9<br>10  | 427<br>277<br>335 | 69<br>39<br>51  | 99<br>99<br>99 | 0.32      | 0.0               | 2.214          | 0.081   | 0    | 0          | 0            | 0 | 95<br>61<br>67   |   |
| PL.7774      | PL.3873     | A<br>B<br>C | 1/0CU              | 7.42Y<br>7.49Y<br>7.44Y | 123.7<br>124.8<br>124.0 | 0.02<br>0.01<br>0.02 | 2.26<br>1.21<br>1.98     | 52.62<br>37.36<br>45.46 | 12<br>9<br>10  | 386<br>277<br>334 | 63<br>39<br>51  | 99<br>99<br>99 | 0.10      | 0.0               | 2.241          | 0.027   | 0    | 0          | 0            | 0 | 91<br>61<br>67   |   |
| PL.7775      | PL.7774     | A<br>B<br>C | 1/0CU              | 7.42Y<br>7.49Y<br>7.44Y | 123.7<br>124.8<br>124.0 | 0.02<br>0.01<br>0.02 | 2.28<br>1.22<br>2.00     | 51.84<br>31.14<br>45.46 | 12<br>7<br>10  | 380<br>231<br>334 | 62<br>33<br>51  | 99<br>99<br>99 | 0.12      | 0.0               | 2.279          | 0.037   | 0    | 0          | 0            | 0 | 90<br>50<br>67   |   |
| PL.14322     | PL.7775     | A<br>B<br>C | 1/0CU              | 7.42Y<br>7.49Y<br>7.44Y | 123.7<br>124.8<br>124.0 | 0.01<br>0.00<br>0.01 | 2.28<br>1.22<br>2.01     | 51.84<br>31.14<br>45.46 | 12<br>7<br>10  | 380<br>231<br>334 | 62<br>33<br>51  | 99<br>99<br>99 | 0.03      | 0.0               | 2.289          | 0.010   | 0    | 0          | 0            | 0 | 90<br>50<br>67   |   |
| PL.14323     | PL.14322    | A<br>B<br>C | 1/0CU              | 7.42Y<br>7.49Y<br>7.44Y | 123.7<br>124.8<br>124.0 | 0.00<br>0.00<br>0.00 | 2.29<br>1.22<br>2.01     | 51.84<br>31.14<br>40.81 | 12<br>7<br>9   | 380<br>231<br>300 | 62<br>33<br>47  | 99<br>99<br>99 | 0.02      | 0.0               | 2.295          | 0.006   | 0    | 0          | 0            | 0 | 90<br>50<br>62   |   |
| PL.40386     | PL.14323    | A<br>B<br>C | 1/0CU              | 7.42Y<br>7.49Y<br>7.44Y | 123.7<br>124.8<br>124.0 | 0.01<br>0.00<br>0.01 | 2.30<br>1.22<br>2.02     | 51.84<br>31.14<br>40.81 | 12<br>7<br>9   | 380<br>231<br>300 | 62<br>33<br>47  | 99<br>99<br>99 | 0.04      | 0.0               | 2.309          | 0.014   | 0    | 0          | 0            | 0 | 90<br>50<br>62   |   |
| PD.2363-A    | PL.40386    | A<br>B<br>C | Closed             | 7.42Y<br>7.49Y<br>7.44Y | 123.7<br>124.8<br>124.0 | 0.00<br>0.00<br>0.00 | 2.30<br>1.22<br>2.02     | 51.84<br>31.14<br>40.81 | 0<br>0<br>0    | 380<br>231<br>300 | 62<br>33<br>46  | 99<br>99<br>99 | 0.00      | 0.0               | 2.309          | 0.000   | 0    | 0          | 0            | 0 | 90<br>50<br>62   |   |
| PD.2363-B    | PD.2363-A   | A<br>B<br>C | Closed             | 7.42Y<br>7.49Y<br>7.44Y | 123.7<br>124.8<br>124.0 | 0.00<br>0.00<br>0.00 | 2.30<br>1.22<br>2.02     | 51.84<br>31.14<br>40.81 | 0<br>0<br>0    | 380<br>231<br>300 | 62<br>33<br>46  | 99<br>99<br>99 | 0.00      | 0.0               | 2.309          | 0.000   | 0    | 0          | 0            | 0 | 90<br>50<br>62   |   |
| PL.40387     | PD.2363-B   | A<br>B<br>C | 1/0CU              | 7.42Y<br>7.48Y<br>7.43Y | 123.6<br>124.7<br>123.9 | 0.08<br>0.03<br>0.08 | 2.38<br>1.25<br>2.10     | 51.84<br>31.14<br>40.81 | 12<br>7<br>9   | 380<br>231<br>300 | 62<br>33<br>46  | 99<br>99<br>99 | 0.43      | 0.0               | 2.449          | 0.141   | 0    | 0          | 0            | 0 | 90<br>50<br>62   |   |
| PL.13800     | PL.40387    | A<br>B<br>C | 1/0CU              | 7.41Y<br>7.48Y<br>7.43Y | 123.5<br>124.7<br>123.8 | 0.14<br>0.05<br>0.13 | 2.52<br>1.30<br>2.23     | 51.84<br>31.14<br>40.81 | 12<br>7<br>9   | 380<br>231<br>300 | 62<br>32<br>46  | 99<br>99<br>99 | 0.71      | 0.1               | 2.683          | 0.234   | 0    | 0          | 0            | 0 | 90<br>49<br>62   |   |
| PL.24491     | PL.13800    | C           | 4ACSR              | 7.43Y                   | 123.8                   | 0.00                 | 2.23                     | 0.13                    | 0              | 1                 | 0               | 100            | 0.00      | 0.0               | 2.779          | 0.095   | 0    | 0          | 0            | 0 | 1                |   |
| PL.24232     | PL.24491    | C           | 4ACSR              | 7.43Y                   | 123.8                   | 0.00                 | 2.23                     | 0.13                    | 0              | 1                 | 0               | 100            | 0.00      | 0.0               | 2.865          | 0.086   | 0    | 0          | 0            | 0 | 1                |   |

Unbalanced Voltage Drop Report  
Source: STANTON

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |                | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |      | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|----------------|---------|------------|-----------|-------------------|-------------------|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | Length<br>(mi) |         |            |           |                   | KW                | KVAR |            |              |
| 082205       | PL.24232    | C   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.23   | 0.13         | 0        | 1          | 0    | 100            | 0.00    | 0.0        | 2.865     | 0.000             | 1                 | 0    | 1          | 1            |
| PL.43106     | PL.13800    | A   | 1/0CU              | 7.40Y     | 123.3        | 0.19            | 2.71   | 51.84        | 12       | 379        | 61   | 99             | 0.95    | 0.1        | 2.996     | 0.313             | 0                 | 0    | 0          | 90           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.06            | 1.37   | 31.14        | 7        | 231        | 32   | 99             |         |            |           |                   | 0                 | 0    | 0          | 49           |
|              |             | C   |                    | 7.42Y     | 123.6        | 0.18            | 2.41   | 40.68        | 9        | 299        | 46   | 99             |         |            |           |                   | 0                 | 0    | 0          | 61           |
| PL.38275     | PL.43106    | A   | 336ACSR            | 7.39Y     | 123.2        | 0.07            | 2.78   | 49.39        | 7        | 361        | 54   | 99             | 0.34    | 0.0        | 3.242     | 0.246             | 0                 | 0    | 0          | 84           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.02            | 1.39   | 30.24        | 4        | 224        | 31   | 99             |         |            |           |                   | 0                 | 0    | 0          | 45           |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.08            | 2.49   | 39.19        | 5        | 288        | 41   | 99             |         |            |           |                   | 0                 | 0    | 0          | 60           |
| PL.38276     | PL.38275    | A   | 336ACSR            | 7.39Y     | 123.2        | 0.00            | 2.79   | 49.39        | 7        | 361        | 53   | 99             | 0.02    | 0.0        | 3.255     | 0.013             | 0                 | 0    | 0          | 84           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.39   | 30.24        | 4        | 224        | 31   | 99             |         |            |           |                   | 0                 | 0    | 0          | 45           |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.00            | 2.50   | 39.19        | 5        | 288        | 41   | 99             |         |            |           |                   | 0                 | 0    | 0          | 60           |
| PL.38277     | PL.38276    | A   | 336ACSR            | 7.39Y     | 123.2        | 0.00            | 2.79   | 49.39        | 7        | 361        | 53   | 99             | 0.02    | 0.0        | 3.268     | 0.014             | 0                 | 0    | 0          | 84           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.39   | 30.24        | 4        | 224        | 31   | 99             |         |            |           |                   | 0                 | 0    | 0          | 45           |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.00            | 2.50   | 39.19        | 5        | 288        | 41   | 99             |         |            |           |                   | 0                 | 0    | 0          | 60           |
| C PD.6629    | PL.38277    | A   | 50E                | 7.39Y     | 123.2        | 0.00            | 2.79   | 49.39        | 99       | 361        | 53   | 99             | 0.00    | 0.0        | 3.268     | 0.000             | 0                 | 0    | 0          | 84           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.39   | 30.24        | 60       | 224        | 31   | 99             |         |            |           |                   | 0                 | 0    | 0          | 45           |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.00            | 2.50   | 39.19        | 78       | 287        | 41   | 99             |         |            |           |                   | 0                 | 0    | 0          | 60           |
| PL.38395     | PD.6629     | A   | 336ACSR            | 7.39Y     | 123.2        | 0.01            | 2.80   | 49.39        | 7        | 361        | 53   | 99             | 0.03    | 0.0        | 3.288     | 0.019             | 0                 | 0    | 0          | 84           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.39   | 30.24        | 4        | 224        | 31   | 99             |         |            |           |                   | 0                 | 0    | 0          | 45           |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.01            | 2.51   | 39.19        | 5        | 287        | 41   | 99             |         |            |           |                   | 0                 | 0    | 0          | 60           |
| PL.38397     | PL.38395    | A   | 336ACSR            | 7.39Y     | 123.2        | 0.00            | 2.80   | 49.39        | 7        | 361        | 53   | 99             | 0.01    | 0.0        | 3.296     | 0.008             | 0                 | 0    | 0          | 84           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.39   | 30.24        | 4        | 224        | 31   | 99             |         |            |           |                   | 0                 | 0    | 0          | 45           |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.00            | 2.51   | 39.19        | 5        | 287        | 41   | 99             |         |            |           |                   | 0                 | 0    | 0          | 60           |
| PL.38398     | PL.38397    | A   | 336ACSR            | 7.39Y     | 123.2        | 0.01            | 2.81   | 49.39        | 7        | 361        | 53   | 99             | 0.03    | 0.0        | 3.320     | 0.023             | 0                 | 0    | 0          | 84           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.39   | 30.24        | 4        | 224        | 31   | 99             |         |            |           |                   | 0                 | 0    | 0          | 45           |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.01            | 2.52   | 39.19        | 5        | 287        | 41   | 99             |         |            |           |                   | 0                 | 0    | 0          | 60           |
| 082218       | PL.38398    | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.39   | 0.99         | 0        | 7          | 1    | 99             | 0.00    | 0.0        | 3.320     | 0.000             | 7                 | 1    | 1          | 1            |
| PL.13803     | PL.38398    | A   | 336ACSR            | 7.39Y     | 123.2        | 0.01            | 2.81   | 49.39        | 7        | 361        | 53   | 99             | 0.04    | 0.0        | 3.348     | 0.028             | 0                 | 0    | 0          | 84           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.39   | 29.26        | 4        | 217        | 30   | 99             |         |            |           |                   | 0                 | 0    | 0          | 44           |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.01            | 2.53   | 39.19        | 5        | 287        | 41   | 99             |         |            |           |                   | 0                 | 0    | 0          | 60           |
| PL.13804     | PL.13803    | A   | 336ACSR            | 7.39Y     | 123.2        | 0.01            | 2.82   | 49.39        | 7        | 361        | 53   | 99             | 0.03    | 0.0        | 3.369     | 0.021             | 0                 | 0    | 0          | 84           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.40   | 28.44        | 4        | 211        | 29   | 99             |         |            |           |                   | 0                 | 0    | 0          | 43           |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.01            | 2.53   | 39.19        | 5        | 287        | 41   | 99             |         |            |           |                   | 0                 | 0    | 0          | 60           |
| PL.13805     | PL.13804    | A   | 336ACSR            | 7.39Y     | 123.2        | 0.00            | 2.82   | 49.39        | 7        | 361        | 53   | 99             | 0.00    | 0.0        | 3.369     | 0.000             | 0                 | 0    | 0          | 84           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.40   | 27.81        | 4        | 206        | 29   | 99             |         |            |           |                   | 0                 | 0    | 0          | 42           |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.00            | 2.53   | 39.19        | 5        | 287        | 41   | 99             |         |            |           |                   | 0                 | 0    | 0          | 60           |
| PL.38399     | PL.13805    | A   | 336ACSR            | 7.39Y     | 123.2        | 0.01            | 2.83   | 49.39        | 7        | 361        | 53   | 99             | 0.04    | 0.0        | 3.400     | 0.031             | 0                 | 0    | 0          | 84           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.40   | 27.81        | 4        | 206        | 29   | 99             |         |            |           |                   | 0                 | 0    | 0          | 42           |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.01            | 2.55   | 37.89        | 5        | 278        | 39   | 99             |         |            |           |                   | 0                 | 0    | 0          | 56           |
| PL.38401     | PL.38399    | A   | 336ACSR            | 7.39Y     | 123.2        | 0.00            | 2.83   | 49.39        | 7        | 361        | 53   | 99             | 0.02    | 0.0        | 3.417     | 0.017             | 0                 | 0    | 0          | 84           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.40   | 27.81        | 4        | 206        | 29   | 99             |         |            |           |                   | 0                 | 0    | 0          | 42           |
|              |             | C   |                    | 7.41Y     | 123.4        | 0.01            | 2.55   | 37.89        | 5        | 278        | 39   | 99             |         |            |           |                   | 0                 | 0    | 0          | 56           |
| PL.38402     | PL.38401    | A   | 336ACSR            | 7.39Y     | 123.2        | 0.00            | 2.84   | 49.39        | 7        | 361        | 53   | 99             | 0.01    | 0.0        | 3.428     | 0.011             | 0                 | 0    | 0          | 84           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.40   | 27.81        | 4        | 206        | 29   | 99             |         |            |           |                   | 0                 | 0    | 0          | 42           |
|              |             | C   |                    | 7.41Y     | 123.4        | 0.00            | 2.55   | 37.89        | 5        | 278        | 39   | 99             |         |            |           |                   | 0                 | 0    | 0          | 56           |
| PL.13809     | PL.38402    | A   | 336ACSR            | 7.39Y     | 123.2        | 0.01            | 2.84   | 49.34        | 7        | 361        | 53   | 99             | 0.02    | 0.0        | 3.447     | 0.019             | 0                 | 0    | 0          | 83           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.40   | 27.81        | 4        | 206        | 29   | 99             |         |            |           |                   | 0                 | 0    | 0          | 42           |
|              |             | C   |                    | 7.41Y     | 123.4        | 0.01            | 2.56   | 37.89        | 5        | 278        | 39   | 99             |         |            |           |                   | 0                 | 0    | 0          | 56           |
| 083239       | PL.13809    | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.84   | 0.22         | 0        | 2          | 0    | 100            | 0.00    | 0.0        | 3.447     | 0.000             | 2                 | 0    | 1          | 1            |
| PL.38403     | PL.13809    | A   | 336ACSR            | 7.39Y     | 123.1        | 0.01            | 2.86   | 49.12        | 7        | 359        | 53   | 99             | 0.06    | 0.0        | 3.493     | 0.046             | 0                 | 0    | 0          | 82           |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.40   | 27.81        | 4        | 206        | 29   | 99             |         |            |           |                   | 0                 | 0    | 0          | 42           |
|              |             | C   |                    | 7.41Y     | 123.4        | 0.02            | 2.58   | 37.89        | 5        | 278        | 39   | 99             |         |            |           |                   | 0                 | 0    | 0          | 56           |
| PL.38407     | PL.38403    | A   | 336ACSR            | 7.39Y     | 123.1        | 0.00            | 2.86   | 0.00         | 0        | 0          | 0    | 100            | 0.00    | 0.0        | 3.530     | 0.036             | 0                 | 0    | 0          | 0            |
| PL.38408     | PL.38407    | A   | 2ACSR              | 7.39Y     | 123.1        | 0.00            | 2.86   | 0.00         | 0        | 0          | 0    | 100            | 0.00    | 0.0        | 3.578     | 0.048             | 0                 | 0    | 0          | 0            |
| PL.38409     | PL.38407    | A   | 336ACSR            | 7.39Y     | 123.1        | 0.00            | 2.86   | 0.00         | 0        | 0          | 0    | 100            | 0.00    | 0.0        | 3.560     | 0.030             | 0                 | 0    | 0          | 0            |

Unbalanced Voltage Drop Report  
Source: STANTON

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |     |
| 083295       | PL.38407    | A   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.86                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.530             | 0.000 | 0          | 0            | 0    | 0   |
| PL.38411     | PL.38403    | A   | 336ACSR            | 7.39Y     | 123.1        | 0.01            | 2.87                     | 49.12        | 7        | 359        | 53        | 99         | 0.04      | 0.0               | 3.522             | 0.028 | 0          | 0            | 0    | 82  |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.40                     | 27.81        | 4        | 206        | 29        | 99         |           |                   |                   |       | 0          | 0            | 0    | 42  |
|              |             | C   |                    | 7.40Y     | 123.4        | 0.01            | 2.59                     | 37.89        | 5        | 278        | 39        | 99         |           |                   |                   |       | 0          | 0            | 0    | 56  |
| PL.38413     | PL.38411    | A   | 336ACSR            | 7.39Y     | 123.1        | 0.01            | 2.87                     | 46.73        | 6        | 342        | 50        | 99         | 0.02      | 0.0               | 3.541             | 0.019 | 0          | 0            | 0    | 79  |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.41                     | 27.81        | 4        | 206        | 29        | 99         |           |                   |                   |       | 0          | 0            | 0    | 42  |
|              |             | C   |                    | 7.40Y     | 123.4        | 0.01            | 2.59                     | 37.89        | 5        | 278        | 39        | 99         |           |                   |                   |       | 0          | 0            | 0    | 56  |
| PL.38420     | PL.38413    | A   | 336ACSR            | 7.39Y     | 123.1        | 0.01            | 2.88                     | 46.73        | 6        | 342        | 50        | 99         | 0.04      | 0.0               | 3.575             | 0.035 | 0          | 0            | 0    | 79  |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.41                     | 27.81        | 4        | 206        | 29        | 99         |           |                   |                   |       | 0          | 0            | 0    | 42  |
|              |             | C   |                    | 7.40Y     | 123.4        | 0.01            | 2.60                     | 36.89        | 5        | 270        | 38        | 99         |           |                   |                   |       | 0          | 0            | 0    | 55  |
| PL.38418     | PL.38420    | C   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.60                     | 0.75         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 3.589             | 0.014 | 0          | 0            | 0    | 1   |
| PD.2027      | PL.38418    | C   | fuse6AMP           | 7.40Y     | 123.4        | 0.00            | 2.60                     | 0.75         | 13       | 6          | 1         | 99         | 0.00      | 0.0               | 3.589             | 0.000 | 0          | 0            | 0    | 1   |
| PL.16329     | PD.2027     | C   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.61                     | 0.75         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 3.628             | 0.038 | 0          | 0            | 0    | 1   |
| 083240       | PL.16329    | C   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.61                     | 0.75         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 3.628             | 0.000 | 6          | 1            | 1    | 1   |
| PL.38421     | PL.38420    | A   | 336ACSR            | 7.39Y     | 123.1        | 0.01            | 2.89                     | 46.73        | 6        | 342        | 50        | 99         | 0.05      | 0.0               | 3.620             | 0.044 | 0          | 0            | 0    | 79  |
|              |             | B   |                    | 7.48Y     | 124.6        | 0.00            | 1.41                     | 27.81        | 4        | 206        | 29        | 99         |           |                   |                   |       | 0          | 0            | 0    | 42  |
|              |             | C   |                    | 7.40Y     | 123.4        | 0.01            | 2.62                     | 36.14        | 5        | 265        | 37        | 99         |           |                   |                   |       | 0          | 0            | 0    | 54  |
| PL.38444     | PL.38421    | A   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.90                     | 7.63         | 4        | 56         | 8         | 99         | 0.00      | 0.0               | 3.627             | 0.008 | 0          | 0            | 0    | 8   |
| C PD.6690    | PL.38444    | A   | fuse6AMP           | 7.39Y     | 123.1        | 0.00            | 2.90                     | 7.63         | 130      | 56         | 8         | 99         | 0.00      | 0.0               | 3.627             | 0.000 | 0          | 0            | 0    | 8 C |
| PL.38445     | PD.6690     | A   | 4ACSR              | 7.39Y     | 123.1        | 0.01            | 2.90                     | 7.63         | 4        | 56         | 8         | 99         | 0.00      | 0.0               | 3.655             | 0.027 | 0          | 0            | 0    | 8   |
| PL.8381      | PL.38445    | A   | 4ACSR              | 7.39Y     | 123.1        | 0.01            | 2.92                     | 6.77         | 3        | 49         | 7         | 99         | 0.00      | 0.0               | 3.695             | 0.041 | 0          | 0            | 0    | 7   |
| PL.8382      | PL.8381     | A   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.92                     | 6.09         | 3        | 45         | 6         | 99         | 0.00      | 0.0               | 3.695             | 0.000 | 0          | 0            | 0    | 6   |
| PL.24256     | PL.8382     | A   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.92                     | 0.52         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 3.749             | 0.054 | 0          | 0            | 0    | 1   |
| 083281       | PL.24256    | A   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.92                     | 0.52         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 3.749             | 0.000 | 4          | 1            | 1    | 1   |
| PL.24249     | PL.8382     | A   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.92                     | 5.57         | 3        | 41         | 6         | 99         | 0.00      | 0.0               | 3.716             | 0.020 | 0          | 0            | 0    | 5   |
| PL.24250     | PL.24249    | A   | 4ACSR              | 7.38Y     | 123.1        | 0.01            | 2.93                     | 3.15         | 2        | 23         | 3         | 99         | 0.00      | 0.0               | 3.760             | 0.044 | 0          | 0            | 0    | 3   |
| PL.24248     | PL.24250    | A   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.93                     | 1.48         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 3.809             | 0.050 | 0          | 0            | 0    | 2   |
| 083278       | PL.24248    | A   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.93                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.809             | 0.000 | 0          | 0            | 0    | 0   |
| PL.24252     | PL.24248    | A   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.93                     | 1.48         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 3.850             | 0.041 | 0          | 0            | 0    | 2   |
| 579602       | PL.24252    | A   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.93                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.850             | 0.000 | 0          | 0            | 0    | 0   |
| PL.24251     | PL.24252    | A   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.94                     | 1.48         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 3.891             | 0.042 | 0          | 0            | 0    | 2   |
| 083276       | PL.24251    | A   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.94                     | 0.41         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 3.891             | 0.000 | 3          | 0            | 1    | 1   |
| 083273       | PL.24251    | A   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.94                     | 1.07         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 3.891             | 0.000 | 8          | 1            | 1    | 1   |
| 083263       | PL.24251    | A   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.94                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.891             | 0.000 | 0          | 0            | 0    | 0   |
| 083271       | PL.24250    | A   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.93                     | 1.67         | 0        | 12         | 2         | 99         | 0.00      | 0.0               | 3.760             | 0.000 | 12         | 2            | 1    | 1   |
| 083272       | PL.24249    | A   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.92                     | 1.53         | 0        | 11         | 2         | 98         | 0.00      | 0.0               | 3.716             | 0.000 | 11         | 2            | 1    | 1   |
| 083262       | PL.24249    | A   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.92                     | 0.89         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 3.716             | 0.000 | 7          | 1            | 1    | 1   |
| 083264       | PL.8381     | A   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.92                     | 0.68         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 3.695             | 0.000 | 5          | 1            | 1    | 1   |
| 083277       | PL.38445    | A   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.90                     | 0.86         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 3.655             | 0.000 | 6          | 1            | 1    | 1   |
| PL.38447     | PL.38421    | B   | 2ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41                     | 0.23         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 3.634             | 0.015 | 0          | 0            | 0    | 1   |
| PD.6691      | PL.38447    | B   | fuse6AMP           | 7.48Y     | 124.6        | 0.00            | 1.41                     | 0.23         | 4        | 2          | 0         | 100        | 0.00      | 0.0               | 3.634             | 0.000 | 0          | 0            | 0    | 1   |
| PL.38446     | PD.6691     | B   | 2ACSR              | 7.48Y     | 124.6        | 0.00            | 1.41                     | 0.23         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 3.667             | 0.033 | 0          | 0            | 0    | 1   |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 0832111, PL.38416, PL.38406, etc.

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low



Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for elements PL.8379 through 0832114.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |      | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------------------|----------------|-------------------|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss |                   |                | KW                | KVAR |            |              |
| PL.18239     | PL.38134    | A   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 4.680             | 0.040          | 0                 | 0    | 0          | 1            |
| 083289       | PL.18239    | A   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 4.680             | 0.000          | 4                 | 1    | 1          | 1            |
| PL.8426      | PL.27964    | A   | 336ACSR            | 7.38Y     | 122.9        | 0.01            | 3.05                     | 31.89        | 4        | 233        | 34   | 99      | 0.07       | 0.0       | 4.700             | 0.116          | 0                 | 0    | 0          | 61           |
|              |             | B   |                    | 7.48Y     | 124.7        | -0.01           | 1.35                     | 1.82         | 0        | 13         | 2    | 99      |            |           |                   |                | 0                 | 0    | 0          | 3            |
|              |             | C   |                    | 7.38Y     | 123.0        | 0.04            | 3.00                     | 29.25        | 4        | 214        | 30   | 99      |            |           |                   |                | 0                 | 0    | 0          | 42           |
| PL.8427      | PL.8426     | A   | 336ACSR            | 7.38Y     | 122.9        | 0.00            | 3.06                     | 30.57        | 4        | 223        | 33   | 99      | 0.03       | 0.0       | 4.747             | 0.048          | 0                 | 0    | 0          | 59           |
|              |             | B   |                    | 7.48Y     | 124.7        | -0.00           | 1.34                     | 1.82         | 0        | 13         | 2    | 99      |            |           |                   |                | 0                 | 0    | 0          | 3            |
|              |             | C   |                    | 7.38Y     | 123.0        | 0.02            | 3.02                     | 29.25        | 4        | 214        | 30   | 99      |            |           |                   |                | 0                 | 0    | 0          | 42           |
| 084250       | PL.8427     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.34                     | 0.90         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 4.747             | 0.000          | 7                 | 1    | 1          | 1            |
| 083223       | PL.8427     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.34                     | 0.19         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 4.747             | 0.000          | 1                 | 0    | 1          | 1            |
| 084220       | PL.8427     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.34                     | 0.73         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 4.747             | 0.000          | 5                 | 1    | 1          | 1            |
| PL.14289     | PL.8427     | A   | 336ACSR            | 7.38Y     | 122.9        | 0.00            | 3.06                     | 30.57        | 4        | 223        | 33   | 99      | 0.03       | 0.0       | 4.798             | 0.051          | 0                 | 0    | 0          | 59           |
|              |             | B   |                    | 7.48Y     | 124.7        | -0.00           | 1.34                     | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.38Y     | 123.0        | 0.02            | 3.04                     | 29.25        | 4        | 214        | 30   | 99      |            |           |                   |                | 0                 | 0    | 0          | 42           |
| PL.38131     | PL.14289    | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.04                     | 1.06         | 1        | 8          | 1    | 99      | 0.00       | 0.0       | 4.802             | 0.004          | 0                 | 0    | 0          | 1            |
| PD.6616      | PL.38131    | C   | fuse6AMP           | 7.38Y     | 123.0        | 0.00            | 3.04                     | 1.06         | 18       | 8          | 1    | 99      | 0.00       | 0.0       | 4.802             | 0.000          | 0                 | 0    | 0          | 1            |
| PL.38132     | PD.6616     | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.04                     | 1.06         | 1        | 8          | 1    | 99      | 0.00       | 0.0       | 4.837             | 0.035          | 0                 | 0    | 0          | 1            |
| PL.24554     | PL.38132    | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.05                     | 1.06         | 1        | 8          | 1    | 99      | 0.00       | 0.0       | 4.880             | 0.042          | 0                 | 0    | 0          | 1            |
| 084291       | PL.24554    | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.05                     | 1.06         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 4.880             | 0.000          | 8                 | 1    | 1          | 1            |
| PL.14290     | PL.14289    | A   | 336ACSR            | 7.38Y     | 122.9        | 0.00            | 3.06                     | 30.57        | 4        | 223        | 32   | 99      | 0.02       | 0.0       | 4.833             | 0.035          | 0                 | 0    | 0          | 59           |
|              |             | B   |                    | 7.48Y     | 124.7        | -0.00           | 1.33                     | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.38Y     | 122.9        | 0.01            | 3.05                     | 28.19        | 4        | 206        | 29   | 99      |            |           |                   |                | 0                 | 0    | 0          | 41           |
| 084287       | PL.14290    | C   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.05                     | 1.48         | 0        | 11         | 1    | 100     | 0.00       | 0.0       | 4.833             | 0.000          | 11                | 1    | 1          | 1            |
| 084204       | PL.14290    | C   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.05                     | 0.23         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 4.833             | 0.000          | 2                 | 0    | 1          | 1            |
| 084227       | PL.14290    | C   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.05                     | 0.83         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 4.833             | 0.000          | 6                 | 1    | 1          | 1            |
| 084207       | PL.14290    | C   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.05                     | 0.34         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 4.833             | 0.000          | 2                 | 0    | 1          | 1            |
| PL.8431      | PL.14290    | A   | 336ACSR            | 7.38Y     | 122.9        | 0.01            | 3.07                     | 30.57        | 4        | 223        | 32   | 99      | 0.03       | 0.0       | 4.885             | 0.052          | 0                 | 0    | 0          | 59           |
|              |             | B   |                    | 7.48Y     | 124.7        | -0.01           | 1.33                     | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.38Y     | 122.9        | 0.02            | 3.07                     | 25.32        | 3        | 185        | 26   | 99      |            |           |                   |                | 0                 | 0    | 0          | 37           |
| 084289       | PL.8431     | A   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.07                     | 0.59         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 4.885             | 0.000          | 4                 | 1    | 1          | 1            |
| 084286       | PL.8431     | A   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.07                     | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 4.885             | 0.000          | 2                 | 0    | 1          | 1            |
| PL.8432      | PL.8431     | A   | 336ACSR            | 7.38Y     | 122.9        | 0.01            | 3.07                     | 29.65        | 4        | 216        | 31   | 99      | 0.03       | 0.0       | 4.944             | 0.059          | 0                 | 0    | 0          | 57           |
|              |             | B   |                    | 7.48Y     | 124.7        | -0.01           | 1.32                     | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.37Y     | 122.9        | 0.02            | 3.09                     | 25.32        | 3        | 185        | 26   | 99      |            |           |                   |                | 0                 | 0    | 0          | 37           |
| 084247       | PL.8432     | A   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.07                     | 0.17         | 0        | 1          | 1    | 71      | 0.00       | 0.0       | 4.944             | 0.000          | 1                 | 1    | 1          | 1            |
| 084285       | PL.8432     | C   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.09                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 4.944             | 0.000          | 0                 | 0    | 1          | 1            |
| PL.14287     | PL.8432     | A   | 336ACSR            | 7.38Y     | 122.9        | 0.00            | 3.08                     | 29.49        | 4        | 215        | 31   | 99      | 0.03       | 0.0       | 4.997             | 0.053          | 0                 | 0    | 0          | 56           |
|              |             | B   |                    | 7.48Y     | 124.7        | -0.01           | 1.32                     | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.37Y     | 122.9        | 0.02            | 3.11                     | 25.29        | 3        | 185        | 26   | 99      |            |           |                   |                | 0                 | 0    | 0          | 36           |
| PL.14288     | PL.14287    | A   | 336ACSR            | 7.38Y     | 122.9        | 0.00            | 3.08                     | 28.04        | 4        | 205        | 29   | 99      | 0.03       | 0.0       | 5.050             | 0.053          | 0                 | 0    | 0          | 54           |
|              |             | B   |                    | 7.48Y     | 124.7        | -0.01           | 1.31                     | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.37Y     | 122.9        | 0.02            | 3.13                     | 25.29        | 3        | 185        | 26   | 99      |            |           |                   |                | 0                 | 0    | 0          | 36           |
| PL.27971     | PL.14288    | A   | 336ACSR            | 7.37Y     | 122.9        | 0.00            | 3.09                     | 27.03        | 4        | 197        | 28   | 99      | 0.02       | 0.0       | 5.089             | 0.038          | 0                 | 0    | 0          | 53           |
|              |             | B   |                    | 7.48Y     | 124.7        | -0.00           | 1.31                     | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.37Y     | 122.9        | 0.01            | 3.14                     | 25.29        | 3        | 185        | 26   | 99      |            |           |                   |                | 0                 | 0    | 0          | 36           |
| PL.27972     | PL.27971    | A   | 336ACSR            | 7.37Y     | 122.9        | 0.00            | 3.09                     | 25.94        | 4        | 189        | 27   | 99      | 0.01       | 0.0       | 5.121             | 0.032          | 0                 | 0    | 0          | 52           |
|              |             | B   |                    | 7.48Y     | 124.7        | -0.00           | 1.31                     | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.37Y     | 122.8        | 0.01            | 3.15                     | 25.29        | 3        | 185        | 26   | 99      |            |           |                   |                | 0                 | 0    | 0          | 36           |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements like PL.16260, PD.2029, PL.16261, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and '-Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| C PD.2263    | PL.16265    | A   | fuse6AMP           | 7.32Y     | 122.0        | 0.00            | 4.03   | 6.49         | 111      | 47         | 6    | 99      | 0.00       | 0.0               | 6.471                               | 0.000 | 0    | 0          | 0            | 11 C      |
| PL.16266     | PD.2263     | A   | 4ACSR              | 7.32Y     | 122.0        | 0.01            | 4.04   | 6.49         | 3        | 47         | 6    | 99      | 0.00       | 0.0               | 6.510                               | 0.040 | 0    | 0          | 0            | 11        |
| PL.25027     | PL.16266    | A   | 4ACSR              | 7.32Y     | 122.0        | 0.01            | 4.05   | 2.71         | 1        | 20         | 3    | 99      | 0.00       | 0.0               | 6.571                               | 0.061 | 0    | 0          | 0            | 6         |
| PL.5264      | PL.25027    | A   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.05   | 1.91         | 1        | 14         | 2    | 99      | 0.00       | 0.0               | 6.623                               | 0.052 | 0    | 0          | 0            | 3         |
| 085311       | PL.5264     | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.05   | 1.08         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 6.623                               | 0.000 | 8    | 1          | 1            | 1         |
| 085318       | PL.5264     | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.05   | 0.24         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 6.623                               | 0.000 | 2    | 0          | 1            | 1         |
| 085345       | PL.5264     | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.05   | 0.59         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 6.623                               | 0.000 | 4    | 1          | 1            | 1         |
| 085324       | PL.25027    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.05   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.571                               | 0.000 | 0    | 0          | 0            | 0         |
| 085306       | PL.25027    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.05   | 0.41         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 6.571                               | 0.000 | 3    | 0          | 1            | 1         |
| 085314       | PL.25027    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.05   | 0.24         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 6.571                               | 0.000 | 2    | 0          | 1            | 1         |
| 085310       | PL.25027    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.05   | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 6.571                               | 0.000 | 1    | 0          | 1            | 1         |
| 085320       | PL.16266    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.04   | 1.17         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 6.510                               | 0.000 | 9    | 1          | 1            | 1         |
| 085330       | PL.16266    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.04   | 1.03         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 6.510                               | 0.000 | 7    | 1          | 1            | 1         |
| 085323       | PL.16266    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.04   | 0.59         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 6.510                               | 0.000 | 4    | 1          | 1            | 1         |
| 085329       | PL.16266    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.04   | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 6.510                               | 0.000 | 2    | 0          | 1            | 1         |
| 085321       | PL.16266    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.04   | 0.67         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 6.510                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.36773     | PL.14100    | A   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.02   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.479                               | 0.022 | 0    | 0          | 0            | 0         |
| PD.758-A     | PL.36773    | A   | Open               | 7.32Y     | 122.0        | 0.00            | 4.02   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.479                               | 0.000 | 0    | 0          | 0            | 0         |
| 085337       | PL.14526    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.01   | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.398                               | 0.000 | 0    | 0          | 1            | 1         |
| 085331       | PL.14526    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.01   | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 6.398                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.25029     | PL.14527    | A   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.00   | 1.63         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 6.387                               | 0.032 | 0    | 0          | 0            | 4         |
| 085336       | PL.25029    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.92         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 6.387                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.25030     | PL.25029    | A   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.71         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 6.417                               | 0.030 | 0    | 0          | 0            | 3         |
| 085343       | PL.25030    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.417                               | 0.000 | 0    | 0          | 1            | 1         |
| 085332       | PL.25030    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 6.417                               | 0.000 | 2    | 0          | 1            | 1         |
| 085338       | PL.25030    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.00   | 0.41         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 6.417                               | 0.000 | 3    | 0          | 1            | 1         |
| 085304       | PL.14528    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.97   | 0.90         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 6.302                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.15615     | PL.14528    | A   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 3.97   | 3.13         | 2        | 23         | 3    | 99      | 0.00       | 0.0               | 6.316                               | 0.014 | 0    | 0          | 0            | 5         |
| PD.2261      | PL.15615    | A   | fuse6AMP           | 7.32Y     | 122.0        | 0.00            | 3.97   | 3.13         | 53       | 23         | 3    | 99      | 0.00       | 0.0               | 6.316                               | 0.000 | 0    | 0          | 0            | 5         |
| PL.15616     | PD.2261     | A   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 3.98   | 3.13         | 2        | 23         | 3    | 99      | 0.00       | 0.0               | 6.338                               | 0.022 | 0    | 0          | 0            | 5         |
| PL.5265      | PL.15616    | A   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 3.98   | 3.13         | 2        | 23         | 3    | 99      | 0.00       | 0.0               | 6.348                               | 0.011 | 0    | 0          | 0            | 5         |
| PL.5267      | PL.5265     | A   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 3.98   | 0.21         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 6.456                               | 0.108 | 0    | 0          | 0            | 1         |
| 085205       | PL.5267     | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.98   | 0.21         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 6.456                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.5266      | PL.5265     | A   | 4ACSR              | 7.32Y     | 122.0        | 0.01            | 3.99   | 1.85         | 1        | 13         | 2    | 99      | 0.00       | 0.0               | 6.518                               | 0.169 | 0    | 0          | 0            | 2         |
| 085207       | PL.5266     | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.99   | 0.99         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 6.518                               | 0.000 | 7    | 1          | 1            | 1         |
| 085201       | PL.5266     | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.99   | 0.87         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 6.518                               | 0.000 | 6    | 1          | 1            | 1         |
| 085322       | PL.5265     | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.98   | 0.85         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 6.348                               | 0.000 | 6    | 1          | 1            | 1         |
| 085326       | PL.5265     | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.98   | 0.21         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 6.348                               | 0.000 | 2    | 0          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| 0853048      | PL.5265     | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.348                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.5268      | PL.5265     | A   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 3.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.410                               | 0.062 | 0    | 0          | 0            | 0    |
| 085303       | PL.19364    | A   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.073                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.33895     | PL.19364    | A   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.82                     | 0.50         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 6.128                               | 0.055 | 0    | 0          | 0            | 1    |
| PL.33896     | PL.33895    | A   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.82                     | 0.50         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 6.180                               | 0.052 | 0    | 0          | 0            | 1    |
| 085344       | PL.33896    | A   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.82                     | 0.50         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 6.180                               | 0.000 | 4    | 1          | 1            | 1    |
| 0853046      | PL.33895    | A   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.82                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.128                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.15609     | PL.14534    | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.73                     | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.973                               | 0.013 | 0    | 0          | 0            | 1    |
| PD.2259      | PL.15609    | A   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.73                     | 0.15         | 3        | 1          | 0       | 100        | 0.00      | 0.0               | 5.973                               | 0.000 | 0    | 0          | 0            | 1    |
| PL.15610     | PD.2259     | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.73                     | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 6.079                               | 0.106 | 0    | 0          | 0            | 1    |
| 085317       | PL.15610    | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.73                     | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 6.079                               | 0.000 | 1    | 0          | 1            | 1    |
| 085333       | PL.15610    | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.73                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.079                               | 0.000 | 0    | 0          | 0            | 0    |
| 085302       | PL.14533    | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.14         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.936                               | 0.000 | 1    | 0          | 1            | 1    |
| 085301       | PL.14533    | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.14         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.936                               | 0.000 | 1    | 0          | 1            | 1    |
| 084217       | PL.8367     | A   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.29                     | 0.46         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.434                               | 0.000 | 3    | 0          | 1            | 1    |
| PL.4731      | PL.38604    | A   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.15                     | 0.32         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.324                               | 0.043 | 0    | 0          | 0            | 1    |
| 0842094      | PL.4731     | A   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.15                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.324                               | 0.000 | 0    | 0          | 0            | 0    |
| 084222       | PL.4731     | A   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.15                     | 0.32         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.324                               | 0.000 | 2    | 0          | 1            | 1    |
| 084264       | PL.28113    | C   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.230                               | 0.000 | 0    | 0          | 1            | 1    |
| 084210       | PL.28113    | C   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.230                               | 0.000 | 3    | 0          | 1            | 1    |
| 084256       | PL.28113    | C   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 1.26         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 5.230                               | 0.000 | 9    | 1          | 1            | 1    |
| PL.38159     | PL.28113    | C   | 4ACSR              | 7.37Y     | 122.8        | 0.01            | 3.19                     | 21.83        | 11       | 159        | 22      | 99         | 0.01      | 0.0               | 5.238                               | 0.008 | 0    | 0          | 0            | 30   |
| PL.38163     | PL.38159    | C   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.20                     | 21.83        | 11       | 159        | 22      | 99         | 0.00      | 0.0               | 5.242                               | 0.004 | 0    | 0          | 0            | 30   |
| PL.38164     | PL.38163    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.07            | 3.26                     | 21.83        | 11       | 159        | 22      | 99         | 0.08      | 0.1               | 5.312                               | 0.070 | 0    | 0          | 0            | 30   |
| C PD.3453    | PL.38164    | C   | 25V4E              | 7.36Y     | 122.7        | 0.00            | 3.26                     | 21.83        | 87       | 159        | 22      | 99         | 0.00      | 0.0               | 5.312                               | 0.000 | 0    | 0          | 0            | 30 C |
| PL.28115     | PD.3453     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.27                     | 21.83        | 11       | 159        | 22      | 99         | 0.01      | 0.0               | 5.322                               | 0.009 | 0    | 0          | 0            | 30   |
| PL.38279     | PL.28115    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.06            | 3.33                     | 13.92        | 7        | 102        | 14      | 99         | 0.04      | 0.0               | 5.418                               | 0.096 | 0    | 0          | 0            | 20   |
| PL.38280     | PL.38279    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.05            | 3.38                     | 13.56        | 7        | 99         | 14      | 99         | 0.04      | 0.0               | 5.510                               | 0.093 | 0    | 0          | 0            | 18   |
| 084233       | PL.38280    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.38                     | 0.98         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 5.510                               | 0.000 | 7    | 1          | 1            | 1    |
| 084246       | PL.38280    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.38                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.510                               | 0.000 | 2    | 0          | 1            | 1    |
| 084249       | PL.38280    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.38                     | 0.97         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 5.510                               | 0.000 | 7    | 1          | 1            | 1    |
| 084211       | PL.38280    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.38                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.510                               | 0.000 | 2    | 0          | 1            | 1    |
| PL.4648      | PL.38280    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.01            | 3.39                     | 1.15         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 5.632                               | 0.122 | 0    | 0          | 0            | 1    |
| 084238       | PL.4648     | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.39                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.632                               | 0.000 | 0    | 0          | 0            | 0    |
| 084216       | PL.4648     | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.39                     | 1.15         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 5.632                               | 0.000 | 8    | 1          | 1            | 1    |
| PL.19046     | PL.38280    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.02            | 3.40                     | 9.84         | 5        | 72         | 10      | 99         | 0.01      | 0.0               | 5.556                               | 0.045 | 0    | 0          | 0            | 13   |
| 084236       | PL.19046    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.40                     | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.556                               | 0.000 | 2    | 0          | 1            | 1    |
| 0842093      | PL.19046    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.556                               | 0.000 | 0    | 0          | 0            | 0    |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.19047     | PL.19046    | C   | 4ACSR              | 7.35Y     | 122.6        | 0.02            | 3.42                     | 9.60         | 5        | 70         | 10   | 99      | 0.01       | 0.0               | 5.604                               | 0.048 | 0    | 0          | 0            | 12        |
| PL.14292     | PL.19047    | C   | 4ACSR              | 7.35Y     | 122.6        | 0.01            | 3.43                     | 9.43         | 5        | 69         | 9    | 99      | 0.01       | 0.0               | 5.637                               | 0.032 | 0    | 0          | 0            | 10        |
| 084242       | PL.14292    | C   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.43                     | 1.01         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 5.637                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.8360      | PL.14292    | C   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.58         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 5.679                               | 0.042 | 0    | 0          | 0            | 2         |
| PL.8361      | PL.8360     | C   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.52         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 5.722                               | 0.043 | 0    | 0          | 0            | 1         |
| 084206       | PL.8361     | C   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.52         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 5.722                               | 0.000 | 4    | 1          | 1            | 1         |
| 084258       | PL.8360     | C   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.679                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.4644      | PL.14292    | C   | 4ACSR              | 7.35Y     | 122.5        | 0.02            | 3.45                     | 7.84         | 4        | 57         | 8    | 99      | 0.01       | 0.0               | 5.684                               | 0.047 | 0    | 0          | 0            | 7         |
| PL.4643      | PL.4644     | C   | 4ACSR              | 7.35Y     | 122.5        | 0.02            | 3.47                     | 7.84         | 4        | 57         | 8    | 99      | 0.01       | 0.0               | 5.732                               | 0.048 | 0    | 0          | 0            | 7         |
| PL.8428      | PL.4643     | C   | 4ACSR              | 7.35Y     | 122.5        | 0.01            | 3.47                     | 5.80         | 3        | 42         | 6    | 99      | 0.00       | 0.0               | 5.755                               | 0.023 | 0    | 0          | 0            | 5         |
| 084279       | PL.8428     | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.755                               | 0.000 | 0    | 0          | 0            | 0         |
| 084278       | PL.8428     | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47                     | 0.51         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 5.755                               | 0.000 | 4    | 1          | 1            | 1         |
| 084280       | PL.8428     | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47                     | 2.22         | 0        | 16         | 2    | 99      | 0.00       | 0.0               | 5.755                               | 0.000 | 16   | 2          | 1            | 1         |
| PL.8429      | PL.8428     | C   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.48                     | 3.08         | 2        | 22         | 3    | 99      | 0.00       | 0.0               | 5.783                               | 0.028 | 0    | 0          | 0            | 3         |
| 084281       | PL.8429     | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.48                     | 1.40         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 5.783                               | 0.000 | 10   | 1          | 1            | 1         |
| 084282       | PL.8429     | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.48                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.783                               | 0.000 | 0    | 0          | 0            | 0         |
| 084283       | PL.8429     | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.48                     | 1.46         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 5.783                               | 0.000 | 11   | 1          | 1            | 1         |
| PL.8430      | PL.8429     | C   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.48                     | 0.21         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.813                               | 0.030 | 0    | 0          | 0            | 1         |
| 084266       | PL.8430     | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.48                     | 0.21         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.813                               | 0.000 | 2    | 0          | 1            | 1         |
| 084262       | PL.4643     | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47                     | 0.58         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 5.732                               | 0.000 | 4    | 1          | 1            | 1         |
| 084261       | PL.4643     | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47                     | 1.45         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 5.732                               | 0.000 | 11   | 1          | 1            | 1         |
| 084260       | PL.4643     | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.732                               | 0.000 | 0    | 0          | 0            | 0         |
| 084259       | PL.4643     | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.732                               | 0.000 | 0    | 0          | 0            | 0         |
| 084237       | PL.19047    | C   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.42                     | 0.17         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 5.604                               | 0.000 | 1    | 0          | 1            | 1         |
| 084235       | PL.19047    | C   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.42                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.604                               | 0.000 | 0    | 0          | 1            | 1         |
| 084245       | PL.38279    | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.33                     | 0.27         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.418                               | 0.000 | 2    | 0          | 1            | 1         |
| 084290       | PL.38279    | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.33                     | 0.10         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 5.418                               | 0.000 | 1    | 0          | 1            | 1         |
| 084267       | PL.38279    | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.33                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.418                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.24255     | PL.28115    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.28                     | 6.92         | 4        | 50         | 7    | 99      | 0.00       | 0.0               | 5.342                               | 0.021 | 0    | 0          | 0            | 9         |
| PL.8365      | PL.24255    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.28                     | 6.92         | 4        | 50         | 7    | 99      | 0.00       | 0.0               | 5.356                               | 0.013 | 0    | 0          | 0            | 9         |
| PL.8366      | PL.8365     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.29                     | 5.50         | 3        | 40         | 6    | 99      | 0.00       | 0.0               | 5.380                               | 0.024 | 0    | 0          | 0            | 8         |
| 084243       | PL.8366     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.29                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.380                               | 0.000 | 0    | 0          | 0            | 0         |
| 084253       | PL.8366     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.29                     | 0.59         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 5.380                               | 0.000 | 4    | 1          | 1            | 1         |
| 084274       | PL.8366     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.29                     | 1.36         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 5.380                               | 0.000 | 10   | 1          | 1            | 1         |
| PL.8364      | PL.8366     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.29                     | 3.55         | 2        | 26         | 4    | 99      | 0.00       | 0.0               | 5.419                               | 0.039 | 0    | 0          | 0            | 6         |
| 084240       | PL.8364     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.29                     | 0.27         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.419                               | 0.000 | 2    | 0          | 1            | 1         |
| 084270       | PL.8364     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.29                     | 0.16         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 5.419                               | 0.000 | 1    | 0          | 1            | 1         |
| 084277       | PL.8364     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.29                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.419                               | 0.000 | 0    | 0          | 0            | 0         |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes data rows for various elements like PL.4645, 084244, etc.

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low



Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 084272       | PL.8426     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.35                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.700                               | 0.000 | 0    | 0          | 0            | 0  |
| 083287       | PL.8426     | A   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.05                     | 1.31         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 4.700                               | 0.000 | 10   | 1          | 1            | 1  |
| 083214       | PL.27964    | A   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.04                     | 0.38         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.584                               | 0.000 | 3    | 0          | 1            | 1  |
| 083286       | PL.27964    | A   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.04                     | 1.01         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.584                               | 0.000 | 7    | 1          | 1            | 1  |
| 083266       | PL.19849    | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.38                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.418                               | 0.000 | 0    | 0          | 1            | 1  |
| 083257       | PL.19849    | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.38                     | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.418                               | 0.000 | 3    | 0          | 1            | 1  |
| 083212       | PL.8377     | C   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.83                     | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.225                               | 0.000 | 3    | 0          | 1            | 1  |
| 083290       | PL.8379     | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.41                     | 0.51         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.098                               | 0.000 | 4    | 1          | 1            | 1  |
| 083242       | PL.14706    | A   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.96                     | 1.39         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 3.956                               | 0.000 | 10   | 1          | 1            | 1  |
| PL.38143     | PL.30823    | A   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.95                     | 1.45         | 1        | 11         | 1       | 100        | 0.00      | 0.0               | 3.874                               | 0.005 | 0    | 0          | 0            | 2  |
| PD.6621      | PL.38143    | A   | fuse6AMP           | 7.38Y     | 123.1        | 0.00            | 2.95                     | 1.45         | 25       | 11         | 1       | 100        | 0.00      | 0.0               | 3.874                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.38144     | PD.6621     | A   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 2.95                     | 1.45         | 1        | 11         | 1       | 100        | 0.00      | 0.0               | 3.946                               | 0.073 | 0    | 0          | 0            | 2  |
| 083279       | PL.38144    | A   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.95                     | 1.01         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.946                               | 0.000 | 7    | 1          | 1            | 1  |
| 083297       | PL.38144    | A   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.95                     | 0.45         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.946                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.38145     | PL.38441    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.68                     | 2.19         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 3.841                               | 0.003 | 0    | 0          | 0            | 4  |
| PD.6622      | PL.38145    | C   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.68                     | 2.19         | 37       | 16         | 2       | 99         | 0.00      | 0.0               | 3.841                               | 0.000 | 0    | 0          | 0            | 4  |
| PL.38146     | PD.6622     | C   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.69                     | 2.19         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 3.911                               | 0.070 | 0    | 0          | 0            | 4  |
| PL.8433      | PL.38146    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.69                     | 1.41         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 3.978                               | 0.067 | 0    | 0          | 0            | 2  |
| PL.14709     | PL.8433     | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.69                     | 1.41         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 4.033                               | 0.055 | 0    | 0          | 0            | 2  |
| PL.14710     | PL.14709    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.068                               | 0.035 | 0    | 0          | 0            | 1  |
| PL.14711     | PL.14710    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.70                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.130                               | 0.062 | 0    | 0          | 0            | 1  |
| PL.24262     | PL.14711    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.70                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.197                               | 0.067 | 0    | 0          | 0            | 1  |
| 083298       | PL.24262    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.70                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.197                               | 0.000 | 5    | 1          | 1            | 1  |
| PL.24257     | PL.14710    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.095                               | 0.027 | 0    | 0          | 0            | 0  |
| PL.24258     | PL.14709    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.78         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.059                               | 0.026 | 0    | 0          | 0            | 1  |
| 083283       | PL.24258    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.78         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.059                               | 0.000 | 6    | 1          | 1            | 1  |
| 0832104      | PL.38146    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.911                               | 0.000 | 0    | 0          | 0            | 0  |
| 083205       | PL.38146    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.78         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.911                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.37682     | PL.38146    | C   | 2ACSR              | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.939                               | 0.028 | 0    | 0          | 0            | 1  |
| 0832121      | PL.37682    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.939                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.38448     | PL.38443    | B   | 2ACSR              | 7.47Y     | 124.6        | 0.01            | 1.44                     | 15.54        | 6        | 115        | 16      | 99         | 0.01      | 0.0               | 3.842                               | 0.016 | 0    | 0          | 0            | 25 |
| PD.6692      | PL.38448    | B   | 25E                | 7.47Y     | 124.6        | 0.00            | 1.44                     | 15.54        | 62       | 115        | 16      | 99         | 0.00      | 0.0               | 3.842                               | 0.000 | 0    | 0          | 0            | 25 |
| PL.38449     | PD.6692     | B   | 2ACSR              | 7.47Y     | 124.5        | 0.03            | 1.46                     | 15.54        | 6        | 115        | 16      | 99         | 0.02      | 0.0               | 3.900                               | 0.058 | 0    | 0          | 0            | 25 |
| PL.24497     | PL.38449    | B   | 2ACSR              | 7.47Y     | 124.5        | 0.00            | 1.46                     | 1.16         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.934                               | 0.034 | 0    | 0          | 0            | 1  |
| 0832105      | PL.24497    | B   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.46                     | 1.16         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.934                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.14713     | PL.38449    | B   | 2ACSR              | 7.47Y     | 124.5        | 0.02            | 1.48                     | 13.97        | 6        | 103        | 14      | 99         | 0.01      | 0.0               | 3.938                               | 0.038 | 0    | 0          | 0            | 23 |
| PL.33057     | PL.14713    | B   | 2ACSR              | 7.47Y     | 124.5        | 0.00            | 1.48                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.955                               | 0.017 | 0    | 0          | 0            | 1  |
| 0832118      | PL.33057    | B   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.48                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.955                               | 0.000 | 3    | 0          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.14714     | PL.14713    | B   | 2ACSR              | 7.47Y     | 124.5        | 0.01            | 1.49                     | 11.77        | 5        | 87         | 12      | 99         | 0.01      | 0.0               | 3.978                               | 0.040 | 0    | 0          | 0            | 21 |
| 083294       | PL.14714    | B   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.49                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.978                               | 0.000 | 0    | 0          | 0            | 0  |
| 0832101      | PL.14714    | B   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.49                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.978                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.14715     | PL.14714    | B   | 2ACSR              | 7.47Y     | 124.5        | 0.02            | 1.51                     | 11.77        | 5        | 87         | 12      | 99         | 0.01      | 0.0               | 4.041                               | 0.063 | 0    | 0          | 0            | 21 |
| PL.14716     | PL.14715    | B   | 2ACSR              | 7.47Y     | 124.5        | 0.01            | 1.53                     | 10.12        | 4        | 75         | 10      | 99         | 0.01      | 0.0               | 4.075                               | 0.035 | 0    | 0          | 0            | 18 |
| PL.8434      | PL.14716    | B   | 2ACSR              | 7.47Y     | 124.5        | 0.02            | 1.55                     | 10.12        | 4        | 75         | 10      | 99         | 0.01      | 0.0               | 4.148                               | 0.072 | 0    | 0          | 0            | 18 |
| 0832102      | PL.8434     | B   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.55                     | 1.84         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 4.148                               | 0.000 | 14   | 2          | 1            | 1  |
| 0832103      | PL.8434     | B   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.55                     | 0.59         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.148                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.14717     | PL.8434     | B   | 2ACSR              | 7.47Y     | 124.4        | 0.01            | 1.55                     | 7.68         | 3        | 57         | 8       | 99         | 0.00      | 0.0               | 4.184                               | 0.036 | 0    | 0          | 0            | 16 |
| PL.14718     | PL.14717    | B   | 2ACSR              | 7.47Y     | 124.4        | 0.00            | 1.56                     | 7.68         | 3        | 57         | 8       | 99         | 0.00      | 0.0               | 4.200                               | 0.016 | 0    | 0          | 0            | 16 |
| PL.24502     | PL.14718    | B   | 2ACSR              | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.39         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.224                               | 0.024 | 0    | 0          | 0            | 1  |
| 0832119      | PL.24502    | B   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.39         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.224                               | 0.000 | 3    | 0          | 1            | 1  |
| 0832124      | PL.24502    | B   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.224                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.14719     | PL.14718    | B   | 2ACSR              | 7.47Y     | 124.4        | 0.01            | 1.57                     | 5.72         | 2        | 42         | 6       | 99         | 0.00      | 0.0               | 4.245                               | 0.045 | 0    | 0          | 0            | 13 |
| PL.24501     | PL.14719    | B   | 2ACSR              | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.62         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.331                               | 0.086 | 0    | 0          | 0            | 1  |
| 083226       | PL.24501    | B   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.62         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.331                               | 0.000 | 5    | 1          | 1            | 1  |
| 0832110      | PL.14719    | B   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.245                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.36752     | PL.14719    | B   | 2ACSR              | 7.47Y     | 124.4        | 0.01            | 1.57                     | 4.34         | 2        | 32         | 4       | 99         | 0.00      | 0.0               | 4.292                               | 0.047 | 0    | 0          | 0            | 11 |
| PL.36753     | PL.36752    | B   | 2ACSR              | 7.47Y     | 124.4        | 0.01            | 1.58                     | 3.98         | 2        | 29         | 4       | 99         | 0.00      | 0.0               | 4.354                               | 0.063 | 0    | 0          | 0            | 10 |
| PL.14721     | PL.36753    | B   | 2ACSR              | 7.46Y     | 124.4        | 0.01            | 1.59                     | 2.40         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 4.435                               | 0.081 | 0    | 0          | 0            | 5  |
| PL.20346     | PL.14721    | B   | 2ACSR              | 7.46Y     | 124.4        | 0.03            | 1.61                     | 2.40         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 4.811                               | 0.376 | 0    | 0          | 0            | 5  |
| PD.2025-A    | PL.20346    | B   | Closed             | 7.46Y     | 124.4        | 0.00            | 1.61                     | 2.40         | 0        | 18         | 2       | 99         | 0.00      | 0.0               | 4.811                               | 0.000 | 0    | 0          | 0            | 5  |
| PD.2025-B    | PD.2025-A   | B   | Closed             | 7.46Y     | 124.4        | 0.00            | 1.61                     | 2.40         | 0        | 18         | 2       | 99         | 0.00      | 0.0               | 4.811                               | 0.000 | 0    | 0          | 0            | 5  |
| PL.20347     | PD.2025-B   | B   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.61                     | 2.40         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 4.819                               | 0.008 | 0    | 0          | 0            | 5  |
| PL.14722     | PL.20347    | B   | 2ACSR              | 7.46Y     | 124.4        | 0.01            | 1.62                     | 2.40         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 4.893                               | 0.073 | 0    | 0          | 0            | 5  |
| PL.14723     | PL.14722    | B   | 2ACSR              | 7.46Y     | 124.4        | 0.01            | 1.63                     | 1.49         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 5.082                               | 0.189 | 0    | 0          | 0            | 4  |
| PL.8103      | PL.14723    | B   | 2ACSR              | 7.46Y     | 124.4        | 0.01            | 1.63                     | 1.49         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 5.264                               | 0.182 | 0    | 0          | 0            | 4  |
| 074910       | PL.8103     | B   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.63                     | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.264                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.8104      | PL.8103     | B   | 2ACSR              | 7.46Y     | 124.4        | 0.01            | 1.64                     | 1.20         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 5.434                               | 0.171 | 0    | 0          | 0            | 3  |
| 074912       | PL.8104     | B   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.64                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.434                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.8102      | PL.8104     | B   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.64                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 5.598                               | 0.163 | 0    | 0          | 0            | 2  |
| PL.25261     | PL.8102     | B   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.65                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 5.674                               | 0.077 | 0    | 0          | 0            | 2  |
| PL.25262     | PL.25261    | B   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.65                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.779                               | 0.105 | 0    | 0          | 0            | 1  |
| PL.25033     | PL.25262    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.65                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 6.127                               | 0.348 | 0    | 0          | 0            | 1  |
| 085208       | PL.25033    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.65                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 6.127                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.25034     | PL.25033    | B   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.183                               | 0.056 | 0    | 0          | 0            | 0  |
| 085203       | PL.25034    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.65                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.183                               | 0.000 | 0    | 0          | 0            | 0  |
| 075923       | PL.25261    | B   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.65                     | 0.51         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 5.674                               | 0.000 | 4    | 1          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 084255       | PL.14722    | B   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.62                     | 0.92         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.893                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.33055     | PL.36753    | B   | 2ACSR              | 7.47Y     | 124.4        | 0.00            | 1.58                     | 1.58         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 4.434                               | 0.080 | 0    | 0          | 0            | 5 |
| PL.33056     | PL.33055    | B   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.58                     | 0.75         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.468                               | 0.034 | 0    | 0          | 0            | 4 |
| PL.8371      | PL.33056    | B   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.58                     | 0.75         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.487                               | 0.019 | 0    | 0          | 0            | 4 |
| PL.8372      | PL.8371     | B   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.59                     | 0.25         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.600                               | 0.113 | 0    | 0          | 0            | 3 |
| PL.4735      | PL.8372     | B   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.59                     | 0.22         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.662                               | 0.063 | 0    | 0          | 0            | 1 |
| 083269       | PL.4735     | B   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.59                     | 0.22         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.662                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.4734      | PL.8372     | B   | 2ACSR              | 7.46Y     | 124.4        | 0.00            | 1.59                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.722                               | 0.122 | 0    | 0          | 0            | 1 |
| 083219       | PL.4734     | B   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.59                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.722                               | 0.000 | 0    | 0          | 1            | 1 |
| 083215       | PL.8372     | B   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.59                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.600                               | 0.000 | 0    | 0          | 1            | 1 |
| 083204       | PL.8371     | B   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.58                     | 0.50         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.487                               | 0.000 | 4    | 1          | 1            | 1 |
| 083243       | PL.8371     | B   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.58                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.487                               | 0.000 | 0    | 0          | 0            | 0 |
| 0832115      | PL.33055    | B   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.58                     | 0.83         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.434                               | 0.000 | 6    | 1          | 1            | 1 |
| 0832120      | PL.36752    | B   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.36         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.292                               | 0.000 | 3    | 0          | 1            | 1 |
| 0832113      | PL.14718    | B   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.77         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.200                               | 0.000 | 6    | 1          | 1            | 1 |
| 0832116      | PL.14718    | B   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.81         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.200                               | 0.000 | 6    | 1          | 1            | 1 |
| 083288       | PL.14715    | B   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.041                               | 0.000 | 0    | 0          | 0            | 0 |
| 083201       | PL.14715    | B   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.51                     | 1.25         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.041                               | 0.000 | 9    | 1          | 1            | 1 |
| 083293       | PL.14715    | B   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.041                               | 0.000 | 0    | 0          | 1            | 1 |
| 083203       | PL.14715    | B   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.39         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.041                               | 0.000 | 3    | 0          | 1            | 1 |
| 083299       | PL.14713    | B   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.48                     | 1.78         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 3.938                               | 0.000 | 13   | 2          | 1            | 1 |
| PL.24498     | PL.38449    | B   | 2ACSR              | 7.47Y     | 124.5        | 0.00            | 1.46                     | 0.41         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.942                               | 0.041 | 0    | 0          | 0            | 1 |
| 083235       | PL.24498    | B   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.46                     | 0.41         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.942                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.38149     | PL.38717    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.66                     | 1.24         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 3.773                               | 0.021 | 0    | 0          | 0            | 1 |
| PD.6624      | PL.38149    | C   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.66                     | 1.24         | 21       | 9          | 1       | 99         | 0.00      | 0.0               | 3.773                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.38150     | PD.6624     | C   | 2ACSR              | 7.40Y     | 123.3        | 0.00            | 2.66                     | 1.24         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.838                               | 0.066 | 0    | 0          | 0            | 1 |
| 083228       | PL.38150    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.66                     | 1.24         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.838                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.38405     | PL.38416    | C   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.63                     | 2.44         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 3.695                               | 0.039 | 0    | 0          | 0            | 4 |
| PD.6625      | PL.38405    | C   | fuse6AMP           | 7.40Y     | 123.4        | 0.00            | 2.63                     | 2.44         | 42       | 18         | 2       | 99         | 0.00      | 0.0               | 3.695                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.38151     | PD.6625     | C   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.63                     | 2.44         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 3.698                               | 0.003 | 0    | 0          | 0            | 4 |
| PL.13813     | PL.38151    | C   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.64                     | 2.44         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 3.727                               | 0.029 | 0    | 0          | 0            | 4 |
| PL.13814     | PL.13813    | C   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.64                     | 2.30         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 3.761                               | 0.034 | 0    | 0          | 0            | 3 |
| PL.13815     | PL.13814    | C   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.64                     | 1.50         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 3.785                               | 0.024 | 0    | 0          | 0            | 1 |
| PL.13816     | PL.13815    | C   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.64                     | 1.50         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 3.829                               | 0.044 | 0    | 0          | 0            | 1 |
| 083245       | PL.13816    | C   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.64                     | 1.50         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 3.829                               | 0.000 | 11   | 2          | 1            | 1 |
| 083280       | PL.13814    | C   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.64                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.761                               | 0.000 | 2    | 0          | 1            | 1 |
| 083267       | PL.13814    | C   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.64                     | 0.58         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.761                               | 0.000 | 4    | 1          | 1            | 1 |
| 083247       | PL.13813    | C   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.64                     | 0.14         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.727                               | 0.000 | 1    | 0          | 1            | 1 |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.38419, PL.38417, 083253, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.18684, 575802, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 638009       | PL.40388    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.309                               | 0.000 | 0    | 0          | 0            | 0         |
| 638010       | PL.40388    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.01                     | 1.03         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 2.309                               | 0.000 | 8    | 1          | 1            | 1         |
| PL.40393     | PL.7774     | B   | 2ACSR              | 7.49Y     | 124.8        | 0.00            | 1.21                     | 3.66         | 1        | 27         | 4    | 99      | 0.00       | 0.0               | 2.258                               | 0.017 | 0    | 0          | 0            | 8         |
| 638013       | PL.40393    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.75         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.258                               | 0.000 | 6    | 1          | 1            | 1         |
| 638017       | PL.40393    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.05         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.258                               | 0.000 | 0    | 0          | 1            | 1         |
| 638018       | PL.40393    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.47         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.258                               | 0.000 | 3    | 0          | 1            | 1         |
| 638014       | PL.40393    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.46         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.258                               | 0.000 | 3    | 0          | 1            | 1         |
| PL.40394     | PL.40393    | B   | 2ACSR              | 7.49Y     | 124.8        | 0.00            | 1.21                     | 1.93         | 1        | 14         | 2    | 99      | 0.00       | 0.0               | 2.273                               | 0.015 | 0    | 0          | 0            | 4         |
| 638012       | PL.40394    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.273                               | 0.000 | 2    | 0          | 1            | 1         |
| 638016       | PL.40394    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.91         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.273                               | 0.000 | 7    | 1          | 1            | 1         |
| 638015       | PL.40394    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.72         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.273                               | 0.000 | 5    | 1          | 1            | 1         |
| 638011       | PL.40394    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.273                               | 0.000 | 0    | 0          | 1            | 1         |
| 6370020      | PL.7774     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.10         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.241                               | 0.000 | 1    | 0          | 1            | 1         |
| 637003       | PL.7774     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.26                     | 0.78         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.241                               | 0.000 | 6    | 1          | 1            | 1         |
| 6370019      | PL.7774     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 1.38         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 2.241                               | 0.000 | 10   | 1          | 1            | 1         |
| 637004       | PL.7774     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.241                               | 0.000 | 0    | 0          | 0            | 0         |
| 6370014      | PL.7774     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 1.08         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 2.241                               | 0.000 | 8    | 1          | 1            | 1         |
| 637007       | PL.3873     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.24                     | 1.11         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 2.214                               | 0.000 | 8    | 1          | 1            | 1         |
| 637011       | PL.3873     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.24                     | 0.99         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.214                               | 0.000 | 7    | 1          | 1            | 1         |
| 637009       | PL.3873     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.24                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.214                               | 0.000 | 0    | 0          | 0            | 0         |
| 637010       | PL.3873     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.24                     | 1.91         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 2.214                               | 0.000 | 14   | 2          | 1            | 1         |
| 637012       | PL.3873     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.24                     | 1.58         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 2.214                               | 0.000 | 12   | 2          | 1            | 1         |
| 637008       | PL.3873     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.20                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.214                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.26430     | PL.290      | A   | 1/0CU              | 7.43Y     | 123.8        | 0.01            | 2.20                     | 8.27         | 2        | 57         | 22   | 93      | 0.01       | 0.0               | 2.258                               | 0.125 | 0    | 0          | 0            | 11        |
|              |             | B   |                    | 7.49Y     | 124.8        | -0.00           | 1.18                     | 2.43         | 1        | 15         | 10   | 85      |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.44Y     | 124.1        | 0.01            | 1.92                     | 5.48         | 1        | 38         | 15   | 93      |            |                   |                                     |       | 0    | 0          | 0            | 5         |
| PL.26431     | PL.26430    | A   | 1/0CU              | 7.43Y     | 123.8        | 0.00            | 2.20                     | 5.51         | 1        | 36         | 20   | 87      | 0.00       | 0.0               | 2.306                               | 0.048 | 0    | 0          | 0            | 2         |
|              |             | B   |                    | 7.49Y     | 124.8        | 0.00            | 1.18                     | 2.43         | 1        | 15         | 10   | 85      |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.44Y     | 124.1        | 0.00            | 1.93                     | 5.48         | 1        | 38         | 15   | 93      |            |                   |                                     |       | 0    | 0          | 0            | 5         |
| 638902       | PL.26431    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.22         | 0        | 1          | 1    | 71      | 0.00       | 0.0               | 2.306                               | 0.000 | 1    | 1          | 1            | 1         |
| 639001       | PL.26431    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.306                               | 0.000 | 0    | 0          | 0            | 0         |
|              |             | B   |                    | 7.49Y     | 124.8        | 0.00            | 1.18                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.44Y     | 124.1        | 0.00            | 1.93                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| 638903       | PL.26431    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 2.84         | 0        | 19         | 9    | 90      | 0.00       | 0.0               | 2.306                               | 0.000 | 19   | 9          | 1            | 1         |
| 639002       | PL.26431    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 2.45         | 0        | 15         | 10   | 83      | 0.00       | 0.0               | 2.306                               | 0.000 | 15   | 10         | 0            | 0         |
|              |             | B   |                    | 7.49Y     | 124.8        | 0.00            | 1.18                     | 2.43         | 0        | 15         | 10   | 85      |            |                   |                                     |       | 15   | 10         | 0            | 0         |
|              |             | C   |                    | 7.44Y     | 124.1        | 0.00            | 1.93                     | 2.45         | 0        | 15         | 10   | 85      |            |                   |                                     |       | 15   | 10         | 0            | 0         |
| PL.33111     | PL.26431    | C   | 4ACSR              | 7.44Y     | 124.1        | 0.00            | 1.93                     | 3.10         | 2        | 22         | 6    | 96      | 0.00       | 0.0               | 2.326                               | 0.020 | 0    | 0          | 0            | 5         |
| 6389007      | PL.33111    | C   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.93                     | 1.16         | 0        | 8          | 4    | 89      | 0.00       | 0.0               | 2.326                               | 0.000 | 8    | 4          | 1            | 1         |
| PL.33112     | PL.33111    | C   | 4ACSR              | 7.44Y     | 124.1        | 0.00            | 1.93                     | 1.97         | 1        | 15         | 2    | 99      | 0.00       | 0.0               | 2.345                               | 0.019 | 0    | 0          | 0            | 4         |
| PL.3871      | PL.33112    | C   | 4ACSR              | 7.44Y     | 124.1        | 0.01            | 1.94                     | 1.97         | 1        | 15         | 2    | 99      | 0.00       | 0.0               | 2.443                               | 0.098 | 0    | 0          | 0            | 4         |
| PL.24490     | PL.3871     | C   | 4ACSR              | 7.44Y     | 124.1        | 0.00            | 1.95                     | 1.97         | 1        | 15         | 2    | 99      | 0.00       | 0.0               | 2.494                               | 0.051 | 0    | 0          | 0            | 4         |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 082217       | PL.24490    | C   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.95   | 1.09         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.494                               | 0.000 | 8    | 1          | 1            | 1  |
| 082221       | PL.24490    | C   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.95   | 0.39         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.494                               | 0.000 | 3    | 0          | 1            | 1  |
| 082216       | PL.24490    | C   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.95   | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.494                               | 0.000 | 2    | 0          | 1            | 1  |
| 082214       | PL.24490    | C   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.95   | 0.27         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.494                               | 0.000 | 2    | 0          | 1            | 1  |
| 6389008      | PL.26430    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.18   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.258                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.38945     | PL.26430    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.20   | 2.88         | 1        | 21         | 3       | 99         | 0.00      | 0.0               | 2.261                               | 0.003 | 0    | 0          | 0            | 9  |
| PD.6781-A    | PL.38945    | A   | Closed             | 7.43Y     | 123.8        | 0.00            | 2.20   | 2.88         | 0        | 21         | 3       | 99         | 0.00      | 0.0               | 2.261                               | 0.000 | 0    | 0          | 0            | 9  |
| PD.6781-B    | PD.6781-A   | A   | Closed             | 7.43Y     | 123.8        | 0.00            | 2.20   | 2.88         | 0        | 21         | 3       | 99         | 0.00      | 0.0               | 2.261                               | 0.000 | 0    | 0          | 0            | 9  |
| PL.38946     | PD.6781-B   | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.21   | 2.88         | 1        | 21         | 3       | 99         | 0.00      | 0.0               | 2.300                               | 0.039 | 0    | 0          | 0            | 9  |
| 638007       | PL.38946    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.53         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.300                               | 0.000 | 4    | 1          | 1            | 1  |
| 637906       | PL.38946    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.14         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.300                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.20852     | PL.38946    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.21   | 2.21         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 2.342                               | 0.042 | 0    | 0          | 0            | 7  |
| 638005       | PL.20852    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.342                               | 0.000 | 2    | 0          | 1            | 1  |
| 638006       | PL.20852    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.36         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.342                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.13797     | PL.20852    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.21   | 1.53         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 2.374                               | 0.032 | 0    | 0          | 0            | 5  |
| 638003       | PL.13797    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.374                               | 0.000 | 1    | 0          | 1            | 1  |
| 638004       | PL.13797    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.41         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.374                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.13798     | PL.13797    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.397                               | 0.023 | 0    | 0          | 0            | 3  |
| 638001       | PL.13798    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.397                               | 0.000 | 3    | 0          | 1            | 1  |
| 082220       | PL.13798    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.40         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.397                               | 0.000 | 3    | 0          | 1            | 1  |
| 638002       | PL.13798    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.19         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.397                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.40389     | PL.290      | A   | 2ACSR              | 7.43Y     | 123.8        | 0.01            | 2.20   | 9.47         | 4        | 70         | 10      | 99         | 0.01      | 0.0               | 2.175                               | 0.042 | 0    | 0          | 0            | 13 |
| 637909       | PL.40389    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20   | 0.92         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.175                               | 0.000 | 7    | 1          | 1            | 1  |
| 637907       | PL.40389    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20   | 0.74         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.175                               | 0.000 | 5    | 1          | 1            | 1  |
| 637910       | PL.40389    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20   | 1.07         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.175                               | 0.000 | 8    | 1          | 1            | 1  |
| 637908       | PL.40389    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20   | 0.82         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.175                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.40391     | PL.40389    | A   | 2ACSR              | 7.43Y     | 123.8        | 0.01            | 2.21   | 5.91         | 2        | 44         | 6       | 99         | 0.00      | 0.0               | 2.222                               | 0.047 | 0    | 0          | 0            | 9  |
| PL.40392     | PL.40391    | A   | 2ACSR              | 7.43Y     | 123.8        | 0.00            | 2.21   | 4.08         | 2        | 30         | 4       | 99         | 0.00      | 0.0               | 2.236                               | 0.014 | 0    | 0          | 0            | 4  |
| 638020       | PL.40392    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 1.29         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.236                               | 0.000 | 9    | 1          | 1            | 1  |
| 638025       | PL.40392    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.25         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.236                               | 0.000 | 2    | 0          | 1            | 1  |
| 638019       | PL.40392    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 1.34         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.236                               | 0.000 | 10   | 1          | 1            | 1  |
| 638024       | PL.40392    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 1.21         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.236                               | 0.000 | 9    | 1          | 1            | 1  |
| 638021       | PL.40391    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.222                               | 0.000 | 0    | 0          | 0            | 0  |
| 638023       | PL.40391    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.18         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.222                               | 0.000 | 1    | 0          | 1            | 1  |
| 638027       | PL.40391    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.22         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.222                               | 0.000 | 2    | 0          | 1            | 1  |
| 638022       | PL.40391    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.222                               | 0.000 | 2    | 0          | 1            | 1  |
| 638026       | PL.40391    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.222                               | 0.000 | 1    | 0          | 1            | 1  |
| 638028       | PL.40391    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21   | 1.11         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.222                               | 0.000 | 8    | 1          | 1            | 1  |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 6369003, 636901, 637912, etc.



Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 638709       | PL.26394    | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.264                               | 0.000 | 0    | 0          | 1            | 1         |
| 638701       | PL.26394    | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88   | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.264                               | 0.000 | 4    | 1          | 1            | 1         |
| PL.26425     | PL.26394    | C   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.88   | 7.88         | 4        | 58         | 9    | 99      | 0.00       | 0.0               | 2.274                               | 0.010 | 0    | 0          | 0            | 20        |
| PL.3867      | PL.26425    | C   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.88   | 0.56         | 0        | 4          | 2    | 89      | 0.00       | 0.0               | 2.292                               | 0.018 | 0    | 0          | 0            | 1         |
| 639702       | PL.3867     | C   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88   | 0.56         | 0        | 4          | 2    | 89      | 0.00       | 0.0               | 2.292                               | 0.000 | 4    | 2          | 1            | 1         |
| PL.26426     | PL.26425    | C   | 4ACSR              | 7.44Y     | 124.1        | 0.04            | 1.92   | 7.34         | 4        | 54         | 7    | 99      | 0.02       | 0.0               | 2.400                               | 0.126 | 0    | 0          | 0            | 19        |
| 639603       | PL.26426    | C   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.92   | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.400                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.20806     | PL.26426    | C   | 4ACSR              | 7.44Y     | 124.1        | 0.01            | 1.94   | 7.25         | 4        | 53         | 7    | 99      | 0.01       | 0.0               | 2.443                               | 0.043 | 0    | 0          | 0            | 18        |
| PL.20807     | PL.20806    | C   | 4ACSR              | 7.44Y     | 124.1        | 0.01            | 1.95   | 5.71         | 3        | 42         | 6    | 99      | 0.00       | 0.0               | 2.488                               | 0.045 | 0    | 0          | 0            | 15        |
| 639601       | PL.20807    | C   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.95   | 0.37         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.488                               | 0.000 | 3    | 0          | 1            | 1         |
| PL.7819      | PL.20807    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 1.95   | 5.34         | 3        | 39         | 5    | 99      | 0.00       | 0.0               | 2.521                               | 0.033 | 0    | 0          | 0            | 14        |
| PL.20808     | PL.7819     | C   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 1.96   | 4.70         | 2        | 35         | 5    | 99      | 0.00       | 0.0               | 2.556                               | 0.035 | 0    | 0          | 0            | 12        |
| 639503       | PL.20808    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.96   | 0.35         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.556                               | 0.000 | 3    | 0          | 1            | 1         |
| 639508       | PL.20808    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.96   | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.556                               | 0.000 | 1    | 0          | 1            | 1         |
| 639511       | PL.20808    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.96   | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.556                               | 0.000 | 0    | 0          | 1            | 1         |
| 639510       | PL.20808    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.96   | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.556                               | 0.000 | 0    | 0          | 1            | 1         |
| 639502       | PL.20808    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.96   | 0.46         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.556                               | 0.000 | 3    | 0          | 1            | 1         |
| PL.20809     | PL.20808    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.96   | 3.73         | 2        | 27         | 4    | 99      | 0.00       | 0.0               | 2.578                               | 0.022 | 0    | 0          | 0            | 7         |
| PL.26427     | PL.20809    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.97   | 2.49         | 1        | 18         | 3    | 99      | 0.00       | 0.0               | 2.589                               | 0.011 | 0    | 0          | 0            | 6         |
| PL.26428     | PL.26427    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.97   | 2.10         | 1        | 15         | 2    | 99      | 0.00       | 0.0               | 2.608                               | 0.018 | 0    | 0          | 0            | 5         |
| PL.26429     | PL.26428    | C   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 1.97   | 1.40         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 2.700                               | 0.093 | 0    | 0          | 0            | 3         |
| 639403       | PL.26429    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.97   | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.700                               | 0.000 | 0    | 0          | 1            | 1         |
| 639404       | PL.26429    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.97   | 0.41         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.700                               | 0.000 | 3    | 0          | 1            | 1         |
| 6394012      | PL.26429    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.97   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.700                               | 0.000 | 0    | 0          | 0            | 0         |
| 639405       | PL.26429    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.97   | 0.93         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.700                               | 0.000 | 7    | 1          | 1            | 1         |
| 639408       | PL.26428    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.97   | 0.63         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.608                               | 0.000 | 5    | 1          | 1            | 1         |
| 639411       | PL.26428    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.97   | 0.07         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.608                               | 0.000 | 1    | 0          | 1            | 1         |
| 639509       | PL.26427    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.97   | 0.39         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.589                               | 0.000 | 3    | 0          | 1            | 1         |
| 639504       | PL.20809    | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.96   | 1.24         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 2.578                               | 0.000 | 9    | 1          | 1            | 1         |
| 639501       | PL.7819     | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.95   | 0.62         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.521                               | 0.000 | 5    | 1          | 1            | 1         |
| 639506       | PL.7819     | C   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.95   | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.521                               | 0.000 | 0    | 0          | 1            | 1         |
| 639606       | PL.20806    | C   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.94   | 1.18         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 2.443                               | 0.000 | 9    | 1          | 1            | 1         |
| 639604       | PL.20806    | C   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.94   | 0.36         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.443                               | 0.000 | 3    | 0          | 1            | 1         |
| 639605       | PL.20806    | C   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.94   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.443                               | 0.000 | 0    | 0          | 1            | 1         |
| 638801       | PL.7824     | C   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.85   | 0.38         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.183                               | 0.000 | 3    | 0          | 1            | 1         |
| 639802       | PL.7824     | C   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.85   | 1.30         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 2.183                               | 0.000 | 10   | 1          | 1            | 1         |
| PL.44653     | PL.26392    | C   | 2ACSR              | 7.45Y     | 124.2        | 0.00            | 1.83   | 1.02         | 0        | 7          | 2    | 96      | 0.00       | 0.0               | 2.124                               | 0.003 | 0    | 0          | 0            | 2         |
| PD.8589      | PL.44653    | C   | fuse6AMP           | 7.45Y     | 124.2        | 0.00            | 1.83   | 1.02         | 17       | 7          | 2    | 96      | 0.00       | 0.0               | 2.124                               | 0.000 | 0    | 0          | 0            | 2         |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Units (Accum Drop, Thru Amps, % Cap, KW), % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. The table lists various electrical elements and their associated voltage drop and loss data.

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    |      |            |              |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|----|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW | KVAR | Cons<br>On | Cons<br>Thru |
| 6377012      | PL.33038    | C   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.81                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.125          | 0.000             | 0  | 0    | 0          | 0            |
| 638703       | PL.33038    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 0.08         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.125          | 0.000             | 1  | 0    | 1          | 1            |
|              |             | C   |                    | 7.45Y     | 124.2        | 0.00            | 1.81                     | 0.08         | 0        | 1          | 0    | 99      |            |                   |                | 1                 | 0  | 1    | 1          |              |
| 637803       | PL.38877    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 0.53         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.081          | 0.000             | 4  | 1    | 1          | 1            |
| 637802       | PL.17415    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 0.24         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.035          | 0.000             | 2  | 0    | 1          | 1            |
| 637808       | PL.17415    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 0.49         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 2.035          | 0.000             | 4  | 0    | 1          | 1            |
| 637806       | PL.17415    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 0.17         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.035          | 0.000             | 1  | 0    | 1          | 1            |
| 637810       | PL.17415    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 0.48         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 2.035          | 0.000             | 4  | 0    | 1          | 1            |
| 637805       | PL.17415    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 0.48         | 0        | 3          | 2    | 83      | 0.00       | 0.0               | 2.035          | 0.000             | 3  | 2    | 1          | 1            |
| 637809       | PL.17415    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.035          | 0.000             | 4  | 1    | 1          | 1            |
| 637801       | PL.17415    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 0.79         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.035          | 0.000             | 6  | 1    | 1          | 1            |
| 637707       | PL.26389    | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.14                     | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.906          | 0.000             | 2  | 0    | 1          | 1            |
| 637705       | PL.26389    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.72                     | 1.00         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.906          | 0.000             | 7  | 1    | 1          | 1            |
| 637702       | PL.17413    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.92                     | 0.18         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.858          | 0.000             | 1  | 0    | 1          | 1            |
| 636701       | PL.7751     | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.12                     | 0.32         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.834          | 0.000             | 2  | 0    | 1          | 1            |
| P CP.25      | PL.31922    | A   | Cap (150)          | 7.46Y     | 124.4        | 0.00            | 1.62                     | -7.20        | 0        | 0          | -54  | 0       | 0.00       | 0.0               | 1.602          | 0.000             | 0  | 0    | 0          | 0 P          |
| P            |             | B   |                    | 7.50Y     | 125.0        | 0.00            | 1.00                     | -7.23        | 0        | 0          | -54  | 0       |            |                   |                |                   | 0  | 0    | 0          | 0 P          |
| P            |             | C   |                    | 7.48Y     | 124.6        | 0.00            | 1.41                     | -7.21        | 0        | 0          | -54  | 0       |            |                   |                |                   | 0  | 0    | 0          | 0 P          |
| 637407       | PL.31927    | A   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.559          | 0.000             | 0  | 0    | 0          | 0            |
| 637413       | PL.31927    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.559          | 0.000             | 2  | 0    | 1          | 1            |
| 637405       | PL.31927    | C   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.37                     | 0.61         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.559          | 0.000             | 5  | 1    | 1          | 1            |
| 637414       | PL.31927    | A   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 1.16         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 1.559          | 0.000             | 9  | 1    | 1          | 1            |
| 637418       | PL.31927    | A   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.17         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.559          | 0.000             | 1  | 0    | 1          | 1            |
| PL.16958     | PL.31927    | A   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.57                     | 1.83         | 1        | 14         | 2    | 99      | 0.00       | 0.0               | 1.564          | 0.006             | 0  | 0    | 0          | 6            |
| PD.2936      | PL.16958    | A   | fuse8AMP           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 1.83         | 25       | 14         | 2    | 99      | 0.00       | 0.0               | 1.564          | 0.000             | 0  | 0    | 0          | 6            |
| PL.16959     | PD.2936     | A   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.57                     | 1.83         | 1        | 14         | 2    | 99      | 0.00       | 0.0               | 1.573          | 0.009             | 0  | 0    | 0          | 6            |
| 637417       | PL.16959    | A   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.27         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.573          | 0.000             | 2  | 0    | 1          | 1            |
| 637409       | PL.16959    | A   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.32         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.573          | 0.000             | 2  | 0    | 1          | 1            |
| PL.7748      | PL.16959    | A   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.57                     | 1.24         | 1        | 9          | 1    | 99      | 0.00       | 0.0               | 1.618          | 0.045             | 0  | 0    | 0          | 4            |
| 636417       | PL.7748     | A   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.14         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.618          | 0.000             | 1  | 0    | 1          | 1            |
| 636406       | PL.7748     | A   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.18         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.618          | 0.000             | 1  | 0    | 1          | 1            |
| PL.7749      | PL.7748     | A   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.91         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.627          | 0.009             | 0  | 0    | 0          | 2            |
| 636402       | PL.7749     | A   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.53         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.627          | 0.000             | 4  | 1    | 1          | 1            |
| PL.46521     | PL.7749     | A   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.38         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.628          | 0.001             | 0  | 0    | 0          | 1            |
| PL.46522     | PL.46521    | A   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.38         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.632          | 0.004             | 0  | 0    | 0          | 1            |
| 636407       | PL.46522    | A   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.632          | 0.000             | 0  | 0    | 0          | 0            |
| PL.7578      | PL.46522    | A   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.38         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.651          | 0.019             | 0  | 0    | 0          | 1            |
| 636408       | PL.7578     | A   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.38         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.651          | 0.000             | 3  | 0    | 1          | 1            |
| 6364050      | PL.46521    | A   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.57                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.628          | 0.000             | 0  | 0    | 0          | 0            |
| PL.3428      | PL.18296    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.79         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.484          | 0.013             | 0  | 0    | 0          | 3            |

Unbalanced Voltage Drop Report  
Source: STANTON

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |      | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|----------------|-------------------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                | KW                | KVAR |            |              |    |
| 637402       | PL.3428     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.21         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.484          | 0.000             | 2    | 0          | 1            | 1  |
| 637403       | PL.3428     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.58         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 1.484          | 0.000             | 4    | 1          | 1            | 1  |
| 637303       | PL.3428     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.484          | 0.000             | 0    | 0          | 1            | 1  |
| 637309       | PL.18296    | A   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.46                     | 0.16         | 0        | 1          | 1         | 71         | 0.00      | 0.0               | 1.471          | 0.000             | 1    | 1          | 1            | 1  |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.16         | 0        | 1          | 1         | 90         |           |                   | 1              | 1                 | 1    | 1          | 1            |    |
| 637311       | PL.18296    | A   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.46                     | 0.36         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.471          | 0.000             | 3    | 0          | 1            | 1  |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.36         | 0        | 3          | 0         | 99         |           |                   | 3              | 0                 | 1    | 1          | 1            |    |
| 637304       | PL.18296    | A   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.46                     | 0.22         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.471          | 0.000             | 2    | 0          | 1            | 1  |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.22         | 0        | 2          | 0         | 99         |           |                   | 2              | 0                 | 1    | 1          | 1            |    |
| 637205       | PL.18960    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.18                     | 0.55         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 1.264          | 0.000             | 4    | 1          | 1            | 1  |
| PL.38889     | PL.18960    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.18                     | 9.55         | 5        | 71         | 10        | 99         | 0.00      | 0.0               | 1.268          | 0.003             | 0    | 0          | 0            | 22 |
| PD.6757-A    | PL.38889    | A   | Closed             | 7.49Y     | 124.8        | 0.00            | 1.18                     | 9.55         | 0        | 71         | 10        | 99         | 0.00      | 0.0               | 1.268          | 0.000             | 0    | 0          | 0            | 22 |
| PD.6757-B    | PD.6757-A   | A   | Closed             | 7.49Y     | 124.8        | 0.00            | 1.18                     | 9.55         | 0        | 71         | 10        | 99         | 0.00      | 0.0               | 1.268          | 0.000             | 0    | 0          | 0            | 22 |
| PL.38890     | PD.6757-B   | A   | 4ACSR              | 7.49Y     | 124.8        | 0.02            | 1.20                     | 9.55         | 5        | 71         | 10        | 99         | 0.01      | 0.0               | 1.311          | 0.043             | 0    | 0          | 0            | 22 |
| PL.17657     | PL.38890    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.20                     | 9.43         | 5        | 70         | 10        | 99         | 0.00      | 0.0               | 1.316          | 0.005             | 0    | 0          | 0            | 21 |
| PD.3581      | PL.17657    | A   | 50V4E              | 7.49Y     | 124.8        | 0.00            | 1.20                     | 9.43         | 0        | 70         | 10        | 99         | 0.00      | 0.0               | 1.316          | 0.000             | 0    | 0          | 0            | 21 |
| PL.17658     | PD.3581     | A   | 4ACSR              | 7.49Y     | 124.8        | 0.01            | 1.21                     | 9.43         | 5        | 70         | 10        | 99         | 0.01      | 0.0               | 1.349          | 0.033             | 0    | 0          | 0            | 21 |
| PL.26557     | PL.17658    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.21                     | 5.64         | 3        | 42         | 6         | 99         | 0.00      | 0.0               | 1.362          | 0.013             | 0    | 0          | 0            | 12 |
| PL.26558     | PL.26557    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.01            | 1.22                     | 4.51         | 2        | 33         | 5         | 99         | 0.00      | 0.0               | 1.399          | 0.038             | 0    | 0          | 0            | 9  |
| 636105       | PL.26558    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.54         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 1.399          | 0.000             | 4    | 1          | 1            | 1  |
| 636104       | PL.26558    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 1.00         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 1.399          | 0.000             | 7    | 1          | 1            | 1  |
| PL.19559     | PL.26558    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.01            | 1.23                     | 2.97         | 2        | 22         | 3         | 99         | 0.00      | 0.0               | 1.442          | 0.042             | 0    | 0          | 0            | 7  |
| PL.19560     | PL.19559    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.23                     | 2.60         | 1        | 19         | 3         | 99         | 0.00      | 0.0               | 1.464          | 0.022             | 0    | 0          | 0            | 6  |
| 636213       | PL.19560    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.17         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 1.464          | 0.000             | 1    | 0          | 1            | 1  |
| 636211       | PL.19560    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.61         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 1.464          | 0.000             | 5    | 1          | 1            | 1  |
| 636208       | PL.19560    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.40         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.464          | 0.000             | 3    | 0          | 1            | 1  |
| PL.7831      | PL.19560    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.23                     | 1.41         | 1        | 10         | 1         | 100        | 0.00      | 0.0               | 1.497          | 0.033             | 0    | 0          | 0            | 3  |
| 636214       | PL.7831     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.85         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 1.497          | 0.000             | 6    | 1          | 1            | 1  |
| 636217       | PL.7831     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.34         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.497          | 0.000             | 3    | 0          | 1            | 1  |
| 6362020      | PL.7831     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.497          | 0.000             | 0    | 0          | 0            | 0  |
| 636207       | PL.7831     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.22         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.497          | 0.000             | 2    | 0          | 1            | 1  |
| 636206       | PL.19559    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.37         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.442          | 0.000             | 3    | 0          | 1            | 1  |
| 636103       | PL.26557    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.44         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.362          | 0.000             | 3    | 0          | 1            | 1  |
| 636102       | PL.26557    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.32         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.362          | 0.000             | 2    | 0          | 1            | 1  |
| 636101       | PL.26557    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.38         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.362          | 0.000             | 3    | 0          | 1            | 1  |
| PL.7829      | PL.17658    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.01            | 1.22                     | 3.78         | 2        | 28         | 4         | 99         | 0.00      | 0.0               | 1.388          | 0.040             | 0    | 0          | 0            | 9  |
| PL.7830      | PL.7829     | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.22                     | 1.54         | 1        | 11         | 2         | 98         | 0.00      | 0.0               | 1.452          | 0.063             | 0    | 0          | 0            | 6  |
| 636215       | PL.7830     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.452          | 0.000             | 0    | 0          | 0            | 0  |
| 636209       | PL.7830     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.30         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.452          | 0.000             | 2    | 0          | 1            | 1  |
| 636219       | PL.7830     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.28         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.452          | 0.000             | 2    | 0          | 1            | 1  |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name        | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           |                | mi<br>From<br>Src | -----Element----- |      | Cons<br>On | Cons<br>Thru |    |
|---------------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|----------------|-------------------|-------------------|------|------------|--------------|----|
|                     |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss | Length<br>(mi) |                   | KW                | KVAR |            |              |    |
| PL.7828             | PL.7830     | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.22   | 0.97         | 0        | 7          | 1       | 99         | 0.00      | 0.0            | 1.468             | 0.016             | 0    | 0          | 0            | 4  |
| PL.26560            | PL.7828     | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.22   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0            | 1.471             | 0.003             | 0    | 0          | 0            | 0  |
| PD.2938-A           | PL.26560    | A   | Open               | 7.49Y     | 124.8        | 0.00            | 1.22   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0            | 1.471             | 0.000             | 0    | 0          | 0            | 0  |
| 636203              | PL.7828     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22   | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0            | 1.468             | 0.000             | 2    | 0          | 1            | 1  |
| 636202              | PL.7828     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0            | 1.468             | 0.000             | 0    | 0          | 1            | 1  |
| 636204              | PL.7828     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22   | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0            | 1.468             | 0.000             | 2    | 0          | 1            | 1  |
| 636205              | PL.7828     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22   | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0            | 1.468             | 0.000             | 3    | 0          | 1            | 1  |
| 636216              | PL.7829     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22   | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0            | 1.388             | 0.000             | 6    | 1          | 1            | 1  |
| 636212              | PL.7829     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22   | 1.20         | 0        | 9          | 1       | 99         | 0.00      | 0.0            | 1.388             | 0.000             | 9    | 1          | 1            | 1  |
| 636210              | PL.7829     | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22   | 0.25         | 0        | 2          | 0       | 100        | 0.00      | 0.0            | 1.388             | 0.000             | 2    | 0          | 1            | 1  |
| 637206              | PL.38890    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.20   | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0            | 1.311             | 0.000             | 1    | 0          | 1            | 1  |
| PL.27422            | PL.19856    | A   | 6ACWC              | 7.50Y     | 125.0        | 0.02            | 1.03   | 27.11        | 14       | 190        | 72      | 94         | 0.14      | 0.0            | 1.179             | 0.020             | 0    | 0          | 0            | 25 |
|                     |             | B   |                    | 7.52Y     | 125.3        | 0.03            | 0.72   | 35.02        | 18       | 241        | 107     | 91         |           |                |                   |                   | 0    | 0          | 0            | 22 |
|                     |             | C   |                    | 7.50Y     | 125.0        | 0.03            | 0.97   | 34.50        | 18       | 240        | 98      | 93         |           |                |                   |                   | 0    | 0          | 0            | 26 |
| C PD.2901<br>C<br>C | PL.27422    | A   | fuse6AMP           | 7.50Y     | 125.0        | 0.00            | 1.03   | 27.11        | 463      | 190        | 72      | 94         | 0.00      | 0.0            | 1.179             | 0.000             | 0    | 0          | 0            | 25 |
|                     |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.72   | 35.02        | 598      | 241        | 107     | 91         |           |                |                   |                   | 0    | 0          | 0            | 22 |
|                     |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 0.97   | 34.50        | 589      | 240        | 98      | 93         |           |                |                   |                   | 0    | 0          | 0            | 26 |
| PL.27423            | PD.2901     | A   | 4/0ACSR            | 7.50Y     | 125.0        | 0.00            | 1.03   | 27.11        | 6        | 190        | 72      | 94         | 0.01      | 0.0            | 1.185             | 0.005             | 0    | 0          | 0            | 25 |
|                     |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.72   | 35.02        | 7        | 241        | 107     | 91         |           |                |                   |                   | 0    | 0          | 0            | 22 |
|                     |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 0.98   | 34.50        | 7        | 240        | 98      | 93         |           |                |                   |                   | 0    | 0          | 0            | 26 |
| 609001              | PL.27423    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98   | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0            | 1.185             | 0.000             | 2    | 0          | 1            | 1  |
| 609002              | PL.27423    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98   | 0.45         | 0        | 3          | 0       | 100        | 0.00      | 0.0            | 1.185             | 0.000             | 3    | 0          | 1            | 1  |
| PL.27420            | PL.27423    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.98   | 9.15         | 5        | 63         | 26      | 92         | 0.00      | 0.0            | 1.190             | 0.005             | 0    | 0          | 0            | 5  |
| C PD.2900           | PL.27420    | C   | fuse6AMP           | 7.50Y     | 125.0        | 0.00            | 0.98   | 9.15         | 156      | 63         | 26      | 92         | 0.00      | 0.0            | 1.190             | 0.000             | 0    | 0          | 0            | 5  |
| PL.27421            | PD.2900     | C   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 0.98   | 9.15         | 5        | 63         | 26      | 92         | 0.00      | 0.0            | 1.205             | 0.015             | 0    | 0          | 0            | 5  |
| PL.3878             | PL.27421    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.04            | 1.02   | 9.15         | 5        | 63         | 26      | 92         | 0.02      | 0.0            | 1.297             | 0.092             | 0    | 0          | 0            | 5  |
| PL.3432             | PL.3878     | C   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 1.03   | 6.07         | 3        | 41         | 20      | 90         | 0.00      | 0.0            | 1.334             | 0.037             | 0    | 0          | 0            | 2  |
| 638107              | PL.3432     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.03   | 3.88         | 0        | 26         | 13      | 89         | 0.00      | 0.0            | 1.334             | 0.000             | 26   | 13         | 1            | 1  |
| 638106              | PL.3432     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.03   | 2.18         | 0        | 15         | 7       | 91         | 0.00      | 0.0            | 1.334             | 0.000             | 15   | 7          | 1            | 1  |
| 638104              | PL.3878     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.02   | 1.10         | 0        | 8          | 1       | 99         | 0.00      | 0.0            | 1.297             | 0.000             | 8    | 1          | 1            | 1  |
| 638102              | PL.3878     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.02   | 1.36         | 0        | 9          | 4       | 91         | 0.00      | 0.0            | 1.297             | 0.000             | 9    | 4          | 1            | 1  |
| 638101              | PL.3878     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.02   | 0.69         | 0        | 5          | 1       | 98         | 0.00      | 0.0            | 1.297             | 0.000             | 5    | 1          | 1            | 1  |
| PL.18182            | PL.27423    | A   | 4/0ACSR            | 7.50Y     | 125.0        | 0.00            | 1.04   | 22.62        | 5        | 158        | 62      | 93         | 0.01      | 0.0            | 1.201             | 0.016             | 0    | 0          | 0            | 18 |
|                     |             | B   |                    | 7.52Y     | 125.3        | 0.01            | 0.72   | 29.62        | 6        | 203        | 92      | 91         |           |                |                   |                   | 0    | 0          | 0            | 16 |
|                     |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 0.98   | 23.39        | 5        | 162        | 67      | 93         |           |                |                   |                   | 0    | 0          | 0            | 19 |
| PD.3566             | PL.18182    | A   | VWVE               | 7.50Y     | 125.0        | 0.00            | 1.04   | 22.62        | 0        | 158        | 62      | 93         | 0.00      | 0.0            | 1.201             | 0.000             | 0    | 0          | 0            | 18 |
|                     |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.72   | 29.62        | 0        | 203        | 92      | 91         |           |                |                   |                   | 0    | 0          | 0            | 16 |
|                     |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 0.98   | 23.39        | 0        | 162        | 67      | 93         |           |                |                   |                   | 0    | 0          | 0            | 19 |
| PL.18183            | PD.3566     | A   | 4/0ACSR            | 7.50Y     | 125.0        | 0.01            | 1.05   | 22.62        | 5        | 158        | 62      | 93         | 0.04      | 0.0            | 1.249             | 0.048             | 0    | 0          | 0            | 18 |
|                     |             | B   |                    | 7.52Y     | 125.3        | 0.02            | 0.74   | 29.62        | 6        | 203        | 92      | 91         |           |                |                   |                   | 0    | 0          | 0            | 16 |
|                     |             | C   |                    | 7.50Y     | 125.0        | 0.01            | 0.99   | 23.39        | 5        | 162        | 67      | 93         |           |                |                   |                   | 0    | 0          | 0            | 19 |
| PL.282              | PL.18183    | A   | 1/0ACSR            | 7.50Y     | 124.9        | 0.01            | 1.06   | 11.77        | 4        | 86         | 21      | 97         | 0.02      | 0.0            | 1.301             | 0.052             | 0    | 0          | 0            | 10 |
|                     |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.75   | 6.32         | 2        | 45         | 15      | 95         |           |                |                   |                   | 0    | 0          | 0            | 1  |
|                     |             | C   |                    | 7.50Y     | 125.0        | 0.02            | 1.01   | 14.79        | 4        | 104        | 39      | 94         |           |                |                   |                   | 0    | 0          | 0            | 13 |

KEY-> L = Low Voltage    H = High Voltage    C = Capacity Over Limit (%capacity or load amps)    G = Generator Out of kvar Limits    P = Power Factor Low

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PL.27416, PD.2341-A, PD.2341-B, PL.27417, PL.13481, PL.16954, PD.2191, PL.16955, 609911, 608902, 608910, 608908, 609908, 608903, 609902, 609907, PL.20816, PL.20604, 609906, PL.20815, PL.285, PL.33232, PD.4356-A, 610901, 609904.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.3748, 609901, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           | mi<br>From<br>Src | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW |            |              | KVAR |
| PL.38938     | PL.18183    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.05                     | 7.11         | 4        | 45         | 28   | 85      | 0.00       | 0.0       | 1.252             | 0.003             | 0  | 0          | 0            | 1    |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.75                     | 19.08        | 10       | 129        | 63   | 90      | 0          | 0         |                   |                   | 0  | 0          | 0            | 9    |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 0.99                     | 7.53         | 4        | 51         | 24   | 91      | 0          | 0         |                   |                   | 0  | 0          | 0            | 5    |
| C PD.6778    | PL.38938    | A   | fusel0AMP          | 7.50Y     | 125.0        | 0.00            | 1.05                     | 7.11         | 74       | 45         | 28   | 85      | 0.00       | 0.0       | 1.252             | 0.000             | 0  | 0          | 0            | 1    |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.75                     | 19.08        | 199      | 129        | 63   | 90      | 0          | 0         |                   |                   | 0  | 0          | 9            |      |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 0.99                     | 7.53         | 79       | 51         | 24   | 91      | 0          | 0         |                   |                   | 0  | 0          | 5            |      |
| PL.38939     | PD.6778     | A   | 4ACSR              | 7.50Y     | 124.9        | 0.01            | 1.05                     | 7.11         | 4        | 45         | 28   | 85      | 0.02       | 0.0       | 1.270             | 0.018             | 0  | 0          | 0            | 1    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.01            | 0.76                     | 19.08        | 10       | 129        | 63   | 90      | 0          | 0         |                   |                   | 0  | 0          | 9            |      |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 0.99                     | 7.53         | 4        | 51         | 24   | 91      | 0          | 0         |                   |                   | 0  | 0          | 5            |      |
| PL.7280      | PL.38939    | A   | 4ACSR              | 7.50Y     | 124.9        | 0.01            | 1.06                     | 7.11         | 4        | 45         | 28   | 85      | 0.02       | 0.0       | 1.289             | 0.019             | 0  | 0          | 0            | 1    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.02            | 0.78                     | 19.08        | 10       | 129        | 63   | 90      | 0          | 0         |                   |                   | 0  | 0          | 9            |      |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 1.00                     | 7.53         | 4        | 51         | 24   | 91      | 0          | 0         |                   |                   | 0  | 0          | 5            |      |
| 639110       | PL.7280     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.78                     | 2.68         | 0        | 18         | 9    | 89      | 0.00       | 0.0       | 1.289             | 0.000             | 18 | 9          | 1            | 1    |
| PL.13482     | PL.7280     | A   | 4ACSR              | 7.50Y     | 124.9        | 0.00            | 1.06                     | 7.11         | 4        | 45         | 28   | 85      | 0.01       | 0.0       | 1.302             | 0.013             | 0  | 0          | 0            | 1    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.01            | 0.79                     | 16.40        | 8        | 111        | 54   | 90      | 0          | 0         |                   |                   | 0  | 0          | 8            |      |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 1.00                     | 7.53         | 4        | 51         | 24   | 91      | 0          | 0         |                   |                   | 0  | 0          | 5            |      |
| 639108       | PL.13482    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.79                     | 1.96         | 0        | 13         | 6    | 91      | 0.00       | 0.0       | 1.302             | 0.000             | 13 | 6          | 1            | 1    |
| 639109       | PL.13482    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.79                     | 2.80         | 0        | 19         | 9    | 90      | 0.00       | 0.0       | 1.302             | 0.000             | 19 | 9          | 1            | 1    |
| PL.13483     | PL.13482    | A   | 4ACSR              | 7.50Y     | 124.9        | 0.00            | 1.07                     | 7.11         | 4        | 45         | 28   | 85      | 0.01       | 0.0       | 1.314             | 0.012             | 0  | 0          | 0            | 1    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.01            | 0.79                     | 11.63        | 6        | 79         | 38   | 90      | 0          | 0         |                   |                   | 0  | 0          | 6            |      |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 1.00                     | 7.53         | 4        | 51         | 24   | 91      | 0          | 0         |                   |                   | 0  | 0          | 5            |      |
| PL.3427      | PL.13483    | A   | 4ACSR              | 7.50Y     | 124.9        | 0.00            | 1.07                     | 4.71         | 2        | 30         | 19   | 84      | 0.00       | 0.0       | 1.323             | 0.009             | 0  | 0          | 0            | 1    |
| 638105       | PL.3427     | A   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.07                     | 4.71         | 0        | 30         | 19   | 84      | 0.00       | 0.0       | 1.323             | 0.000             | 30 | 19         | 1            | 1    |
| 639107       | PL.13483    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.00                     | 1.60         | 0        | 11         | 5    | 91      | 0.00       | 0.0       | 1.314             | 0.000             | 11 | 5          | 1            | 1    |
| PL.36681     | PL.13483    | A   | 4ACSR              | 7.50Y     | 124.9        | 0.01            | 1.07                     | 2.39         | 1        | 15         | 9    | 86      | 0.03       | 0.0       | 1.390             | 0.076             | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.04            | 0.83                     | 11.63        | 6        | 79         | 38   | 90      | 0          | 0         |                   |                   | 0  | 0          | 6            |      |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.01            | 1.01                     | 5.93         | 3        | 40         | 19   | 91      | 0          | 0         |                   |                   | 0  | 0          | 4            |      |
| 6382014      | PL.36681    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.83                     | 4.97         | 0        | 34         | 16   | 90      | 0.00       | 0.0       | 1.390             | 0.000             | 33 | 16         | 1            | 2    |
| 6382015      | 6382014     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.83                     | 0.12         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 1.390             | 0.000             | 1  | 0          | 1            | 1    |
| PL.36682     | PL.36681    | A   | 4ACSR              | 7.50Y     | 124.9        | 0.00            | 1.08                     | 2.39         | 1        | 15         | 9    | 86      | 0.01       | 0.0       | 1.423             | 0.033             | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.01            | 0.84                     | 6.66         | 3        | 45         | 22   | 90      | 0          | 0         |                   |                   | 0  | 0          | 4            |      |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.01            | 1.02                     | 5.93         | 3        | 40         | 19   | 91      | 0          | 0         |                   |                   | 0  | 0          | 4            |      |
| PL.28986     | PL.36682    | A   | 4ACSR              | 7.50Y     | 124.9        | 0.00            | 1.08                     | 2.39         | 1        | 15         | 9    | 86      | 0.01       | 0.0       | 1.469             | 0.046             | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.01            | 0.86                     | 6.66         | 3        | 45         | 22   | 90      | 0          | 0         |                   |                   | 0  | 0          | 4            |      |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 1.02                     | 2.39         | 1        | 15         | 9    | 85      | 0          | 0         |                   |                   | 0  | 0          | 0            |      |
| 638209       | PL.28986    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.86                     | 0.98         | 0        | 7          | 3    | 92      | 0.00       | 0.0       | 1.469             | 0.000             | 7  | 3          | 1            | 1    |
| 638208       | PL.28986    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.86                     | 2.63         | 0        | 18         | 9    | 89      | 0.00       | 0.0       | 1.469             | 0.000             | 18 | 9          | 1            | 1    |
| 639208       | PL.28986    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.86                     | 0.53         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 1.469             | 0.000             | 4  | 1          | 1            | 1    |
| 638202       | PL.28986    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.86                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.469             | 0.000             | 0  | 0          | 0            | 0    |
| PL.30995     | PL.28986    | A   | 4ACSR              | 7.50Y     | 124.9        | 0.00            | 1.08                     | 2.39         | 1        | 15         | 9    | 86      | 0.00       | 0.0       | 1.478             | 0.009             | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.86                     | 2.55         | 1        | 17         | 10   | 86      | 0          | 0         |                   |                   | 0  | 0          | 1            |      |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 1.02                     | 2.39         | 1        | 15         | 9    | 85      | 0          | 0         |                   |                   | 0  | 0          | 0            |      |
| PL.30996     | PL.30995    | A   | 4ACSR              | 7.50Y     | 124.9        | 0.00            | 1.08                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.506             | 0.028             | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.86                     | 0.18         | 0        | 1          | 0    | 99      | 0          | 0         |                   |                   | 0  | 0          | 1            |      |
|              |             | C   |                    | 7.50Y     | 125.0        | -0.00           | 1.02                     | 0.00         | 0        | 0          | 0    | 100     | 0          | 0         |                   |                   | 0  | 0          | 0            |      |
| 639211       | PL.30996    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.86                     | 0.18         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 1.506             | 0.000             | 1  | 0          | 1            | 1    |
| 638205       | PL.30995    | A   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.08                     | 2.39         | 0        | 15         | 9    | 86      | 0.00       | 0.0       | 1.478             | 0.000             | 15 | 9          | 0            | 0    |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.86                     | 2.39         | 0        | 15         | 9    | 85      | 15         | 9         |                   |                   | 0  | 0          |              |      |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 1.02                     | 2.39         | 0        | 15         | 9    | 85      | 15         | 9         |                   |                   | 0  | 0          |              |      |
| 639209       | PL.36682    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.02                     | 0.35         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.423             | 0.000             | 3  | 0          | 1            | 1    |



Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 638207, 638206, 639210, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 608805, 608804, etc., and a summary for STANTON.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 4 (STANTON4) beginning with device PD.3916.

Unbalanced Voltage Drop Report  
Source: STANTON

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| C PD.2101    | PL.17181    | B   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 31.27        | 534      | 232        | 46   | 98      | 0.00       | 0.0               | 0.280             | 0.000          | 0          | 0            | 0  | 47 C |
| PL.17182     | PD.2101     | B   | 4ACSR              | 7.55Y     | 125.8        | 0.03            | 0.22                     | 31.27        | 16       | 232        | 46   | 98      | 0.06       | 0.0               | 0.303             | 0.024          | 0          | 0            | 0  | 47   |
| PL.38750     | PL.17182    | B   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.23                     | 29.82        | 15       | 221        | 45   | 98      | 0.00       | 0.0               | 0.305             | 0.001          | 0          | 0            | 0  | 44   |
| PL.38751     | PL.38750    | B   | 4ACSR              | 7.54Y     | 125.7        | 0.06            | 0.29                     | 29.82        | 15       | 221        | 45   | 98      | 0.10       | 0.0               | 0.352             | 0.048          | 0          | 0            | 0  | 44   |
| PL.13390     | PL.38751    | B   | 4ACSR              | 7.54Y     | 125.7        | 0.02            | 0.31                     | 29.82        | 15       | 220        | 45   | 98      | 0.04       | 0.0               | 0.369             | 0.016          | 0          | 0            | 0  | 44   |
| 603110       | PL.13390    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.369             | 0.000          | 0          | 0            | 0  | 0    |
| 603108       | PL.13390    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.70         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 0.369             | 0.000          | 5          | 1            | 1  | 1    |
| 072816       | PL.13390    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.39         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.369             | 0.000          | 3          | 0            | 1  | 1    |
| 603109       | PL.13390    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.369             | 0.000          | 0          | 0            | 0  | 0    |
| 603107       | PL.13390    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 1.07         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 0.369             | 0.000          | 8          | 1            | 1  | 1    |
| 072817       | PL.13390    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.44         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.369             | 0.000          | 3          | 0            | 1  | 1    |
| 603111       | PL.13390    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.369             | 0.000          | 0          | 0            | 0  | 0    |
| 603106       | PL.13390    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.95         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 0.369             | 0.000          | 7          | 1            | 1  | 1    |
| 072823       | PL.13390    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.369             | 0.000          | 2          | 0            | 1  | 1    |
| PL.30933     | PL.13390    | B   | 4ACSR              | 7.54Y     | 125.7        | 0.04            | 0.35                     | 25.95        | 13       | 191        | 41   | 98      | 0.05       | 0.0               | 0.403             | 0.034          | 0          | 0            | 0  | 38   |
| PL.30934     | PL.30933    | B   | 4ACSR              | 7.54Y     | 125.6        | 0.03            | 0.38                     | 14.90        | 8        | 111        | 15   | 99      | 0.03       | 0.0               | 0.450             | 0.048          | 0          | 0            | 0  | 31   |
| PL.40758     | PL.30934    | B   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.39                     | 7.37         | 4        | 55         | 8    | 99      | 0.00       | 0.0               | 0.477             | 0.027          | 0          | 0            | 0  | 17   |
| 072840       | PL.40758    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.50         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 0.477             | 0.000          | 4          | 1            | 1  | 1    |
| 072819       | PL.40758    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.34         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.477             | 0.000          | 3          | 0            | 1  | 1    |
| 072822       | PL.40758    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.18         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 0.477             | 0.000          | 1          | 0            | 1  | 1    |
| 072839       | PL.40758    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.43         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.477             | 0.000          | 3          | 0            | 1  | 1    |
| 072842       | PL.40758    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.38         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.477             | 0.000          | 3          | 0            | 1  | 1    |
| 072820       | PL.40758    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.49         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 0.477             | 0.000          | 4          | 1            | 1  | 1    |
| 072841       | PL.40758    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.50         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 0.477             | 0.000          | 4          | 1            | 1  | 1    |
| 072818       | PL.40758    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.23         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.477             | 0.000          | 2          | 0            | 1  | 1    |
| 072821       | PL.40758    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.37         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.477             | 0.000          | 3          | 0            | 1  | 1    |
| PL.40759     | PL.40758    | B   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.39                     | 3.95         | 2        | 29         | 4    | 99      | 0.00       | 0.0               | 0.499             | 0.022          | 0          | 0            | 0  | 8    |
| 072838       | PL.40759    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.51         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 0.499             | 0.000          | 4          | 1            | 1  | 1    |
| 072837       | PL.40759    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.60         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 0.499             | 0.000          | 5          | 1            | 1  | 1    |
| 072834       | PL.40759    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.34         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.499             | 0.000          | 3          | 0            | 1  | 1    |
| 072836       | PL.40759    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.57         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 0.499             | 0.000          | 4          | 1            | 1  | 1    |
| 072835       | PL.40759    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.50         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 0.499             | 0.000          | 4          | 1            | 1  | 1    |
| 072832       | PL.40759    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.50         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 0.499             | 0.000          | 4          | 1            | 1  | 1    |
| 072833       | PL.40759    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.48         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 0.499             | 0.000          | 4          | 0            | 1  | 1    |
| 072831       | PL.40759    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.45         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.499             | 0.000          | 3          | 0            | 1  | 1    |
| PL.13392     | PL.30934    | B   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.38                     | 2.05         | 1        | 15         | 2    | 99      | 0.00       | 0.0               | 0.465             | 0.015          | 0          | 0            | 0  | 8    |
| PL.13393     | PL.13392    | B   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.38                     | 1.63         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 0.512             | 0.046          | 0          | 0            | 0  | 5    |
| PL.25203     | PL.13393    | B   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.38                     | 1.63         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 0.515             | 0.003          | 0          | 0            | 0  | 4    |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and a note '-Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: STANTONDatabase: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name      | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |         |            |           | mi<br>From<br>Src | Length<br>(mi) | Element |      | Cons<br>On | Cons<br>Thru |
|-------------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|---------|------------|-----------|-------------------|----------------|---------|------|------------|--------------|
|                   |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | %<br>PF | kW<br>Loss | %<br>Loss |                   |                | KW      | KVAR |            |              |
| PL.7460           | PL.38749    | A   | 397ACSR            | 7.56Y     | 126.0        | -0.00           | -0.01                    | 50.69        | 6        | 382        | -34       | -100    | 0.06       | 0.0       | 0.301             | 0.020          | 0       | 0    | 0          | 114          |
|                   |             | B   |                    | 7.55Y     | 125.8        | 0.01            | 0.19                     | 38.77        | 5        | 293        | 10        | 100     |            |           |                   |                | 0       | 0    | 0          | 74           |
|                   |             | C   |                    | 7.55Y     | 125.9        | 0.01            | 0.10                     | 84.66        | 10       | 640        | 1         | 100     |            |           |                   |                | 0       | 0    | 0          | 178          |
| 603103            | PL.7460     | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.10                     | 0.83         | 0        | 6          | 1         | 99      | 0.00       | 0.0       | 0.301             | 0.000          | 6       | 1    | 1          | 1            |
| 603102            | PL.7460     | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.10                     | 0.38         | 0        | 3          | 0         | 100     | 0.00       | 0.0       | 0.301             | 0.000          | 3       | 0    | 1          | 1            |
| PL.7458           | PL.7460     | A   | 397ACSR            | 7.56Y     | 126.0        | -0.02           | -0.03                    | 50.69        | 6        | 382        | -34       | -100    | 0.32       | 0.0       | 0.415             | 0.115          | 0       | 0    | 0          | 114          |
|                   |             | B   |                    | 7.55Y     | 125.8        | 0.04            | 0.23                     | 38.77        | 5        | 292        | 10        | 100     |            |           |                   |                | 0       | 0    | 0          | 74           |
|                   |             | C   |                    | 7.55Y     | 125.8        | 0.06            | 0.16                     | 83.46        | 10       | 630        | 0         | -100    |            |           |                   |                | 0       | 0    | 0          | 176          |
| PL.20191          | PL.7458     | A   | 336ACSR            | 7.56Y     | 126.0        | -0.02           | -0.04                    | 31.15        | 4        | 226        | -66       | -96     | 0.15       | 0.0       | 0.483             | 0.068          | 0       | 0    | 0          | 66           |
|                   |             | B   |                    | 7.54Y     | 125.7        | 0.03            | 0.26                     | 38.62        | 5        | 291        | 10        | 100     |            |           |                   |                | 0       | 0    | 0          | 73           |
|                   |             | C   |                    | 7.55Y     | 125.8        | 0.02            | 0.18                     | 68.44        | 9        | 516        | -17       | -100    |            |           |                   |                | 0       | 0    | 0          | 140          |
| P CP.17<br>P<br>P | PL.20191    | A   | Cap (300)          | 7.56Y     | 126.0        | 0.00            | -0.04                    | -14.59       | 0        | 0          | -110      | 0       | 0.00       | 0.0       | 0.483             | 0.000          | 0       | 0    | 0          | 0 P          |
|                   |             | B   |                    | 7.54Y     | 125.7        | 0.00            | 0.26                     | -14.55       | 0        | 0          | -110      | 0       |            |           |                   |                | 0       | 0    | 0          | 0 P          |
|                   |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.18                     | -14.56       | 0        | 0          | -110      | 0       |            |           |                   |                | 0       | 0    | 0          | 0 P          |
| PL.20192          | PL.20191    | A   | 336ACSR            | 7.56Y     | 126.1        | -0.01           | -0.05                    | 30.47        | 4        | 226        | 44        | 98      | 0.19       | 0.0       | 0.566             | 0.082          | 0       | 0    | 0          | 66           |
|                   |             | B   |                    | 7.54Y     | 125.7        | 0.05            | 0.30                     | 41.75        | 6        | 291        | 120       | 92      |            |           |                   |                | 0       | 0    | 0          | 73           |
|                   |             | C   |                    | 7.55Y     | 125.8        | 0.04            | 0.22                     | 69.48        | 10       | 516        | 92        | 98      |            |           |                   |                | 0       | 0    | 0          | 140          |
| PD.2343-A         | PL.20192    | A   | Closed             | 7.56Y     | 126.1        | 0.00            | -0.05                    | 30.47        | 0        | 226        | 44        | 98      | 0.00       | 0.0       | 0.566             | 0.000          | 0       | 0    | 0          | 66           |
|                   |             | B   |                    | 7.54Y     | 125.7        | 0.00            | 0.30                     | 41.75        | 0        | 291        | 120       | 92      |            |           |                   |                | 0       | 0    | 0          | 73           |
|                   |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.22                     | 69.48        | 0        | 516        | 92        | 98      |            |           |                   |                | 0       | 0    | 0          | 140          |
| PD.2343-B         | PD.2343-A   | A   | Closed             | 7.56Y     | 126.1        | 0.00            | -0.05                    | 30.47        | 0        | 226        | 44        | 98      | 0.00       | 0.0       | 0.566             | 0.000          | 0       | 0    | 0          | 66           |
|                   |             | B   |                    | 7.54Y     | 125.7        | 0.00            | 0.30                     | 41.75        | 0        | 291        | 120       | 92      |            |           |                   |                | 0       | 0    | 0          | 73           |
|                   |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.22                     | 69.48        | 0        | 516        | 92        | 98      |            |           |                   |                | 0       | 0    | 0          | 140          |
| PL.17176          | PD.2343-B   | A   | 336ACSR            | 7.56Y     | 126.1        | -0.00           | -0.05                    | 30.47        | 4        | 226        | 44        | 98      | 0.01       | 0.0       | 0.571             | 0.006          | 0       | 0    | 0          | 66           |
|                   |             | B   |                    | 7.54Y     | 125.7        | 0.00            | 0.31                     | 41.75        | 6        | 291        | 120       | 92      |            |           |                   |                | 0       | 0    | 0          | 73           |
|                   |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.22                     | 69.48        | 10       | 516        | 92        | 98      |            |           |                   |                | 0       | 0    | 0          | 140          |
| PL.7487           | PL.17176    | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.44         | 0        | 3          | 0         | 100     | 0.00       | 0.0       | 0.641             | 0.070          | 0       | 0    | 0          | 2            |
| 600201            | PL.7487     | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0       | 0.641             | 0.000          | 0       | 0    | 0          | 0            |
| 600204            | PL.7487     | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.04         | 0        | 0          | 0         | 100     | 0.00       | 0.0       | 0.641             | 0.000          | 0       | 0    | 1          | 1            |
| PL.7488           | PL.7487     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.41         | 0        | 3          | 0         | 100     | 0.00       | 0.0       | 0.685             | 0.045          | 0       | 0    | 0          | 1            |
| 600203            | PL.7488     | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.41         | 0        | 3          | 0         | 100     | 0.00       | 0.0       | 0.685             | 0.000          | 3       | 0    | 1          | 1            |
| P PL.45649        | PL.7487     | B   | 1/0EPRJCN          | 7.54Y     | 125.7        | -0.00           | 0.31                     | -0.02        | 0        | 0          | 0         | 100     | 0.00       | 0.0       | 0.676             | 0.036          | 0       | 0    | 0          | 0 P          |
| 6002009           | PL.45649    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0       | 0.676             | 0.000          | 0       | 0    | 0          | 0            |
| 600301            | PL.17176    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.22                     | 0.31         | 0        | 2          | 0         | 100     | 0.00       | 0.0       | 0.571             | 0.000          | 2       | 0    | 1          | 1            |
| 601204            | PL.17176    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.22                     | 0.15         | 0        | 1          | 0         | 100     | 0.00       | 0.0       | 0.571             | 0.000          | 1       | 0    | 1          | 1            |
| 601202            | PL.17176    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.22                     | 0.27         | 0        | 2          | 0         | 100     | 0.00       | 0.0       | 0.571             | 0.000          | 2       | 0    | 1          | 1            |
| 601201            | PL.17176    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.22                     | 0.36         | 0        | 3          | 0         | 100     | 0.00       | 0.0       | 0.571             | 0.000          | 3       | 0    | 1          | 1            |
| PL.26443          | PL.17176    | A   | 336ACSR            | 7.56Y     | 126.0        | 0.00            | -0.05                    | 16.23        | 2        | 121        | 21        | 99      | 0.05       | 0.0       | 0.637             | 0.066          | 0       | 0    | 0          | 39           |
|                   |             | B   |                    | 7.54Y     | 125.7        | 0.03            | 0.34                     | 37.90        | 5        | 261        | 116       | 91      |            |           |                   |                | 0       | 0    | 0          | 64           |
|                   |             | C   |                    | 7.55Y     | 125.8        | 0.01            | 0.23                     | 27.85        | 4        | 206        | 41        | 98      |            |           |                   |                | 0       | 0    | 0          | 53           |
| PL.26444          | PL.26443    | A   | 336ACSR            | 7.56Y     | 126.0        | 0.00            | -0.05                    | 16.23        | 2        | 121        | 21        | 99      | 0.04       | 0.0       | 0.694             | 0.057          | 0       | 0    | 0          | 39           |
|                   |             | B   |                    | 7.54Y     | 125.6        | 0.03            | 0.37                     | 37.90        | 5        | 261        | 116       | 91      |            |           |                   |                | 0       | 0    | 0          | 64           |
|                   |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.23                     | 26.96        | 4        | 200        | 40        | 98      |            |           |                   |                | 0       | 0    | 0          | 51           |
| PL.284            | PL.26444    | A   | 336ACSR            | 7.56Y     | 126.0        | 0.01            | -0.04                    | 16.23        | 2        | 121        | 21        | 99      | 0.03       | 0.0       | 0.749             | 0.055          | 0       | 0    | 0          | 39           |
|                   |             | B   |                    | 7.54Y     | 125.6        | 0.02            | 0.39                     | 37.90        | 5        | 261        | 116       | 91      |            |           |                   |                | 0       | 0    | 0          | 64           |
|                   |             | C   |                    | 7.55Y     | 125.8        | -0.00           | 0.23                     | 18.06        | 2        | 133        | 31        | 97      |            |           |                   |                | 0       | 0    | 0          | 39           |
| 601401            | PL.284      | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.44         | 0        | 3          | 0         | 100     | 0.00       | 0.0       | 0.749             | 0.000          | 3       | 0    | 1          | 1            |
| 601402            | PL.284      | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.67         | 0        | 5          | 1         | 98      | 0.00       | 0.0       | 0.749             | 0.000          | 5       | 1    | 1          | 1            |
| 601407            | PL.284      | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.09         | 0        | 1          | 0         | 100     | 0.00       | 0.0       | 0.749             | 0.000          | 1       | 0    | 1          | 1            |

KEY-&gt; L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            |           | mi<br>From<br>Src | -----Length<br>(mi) | -----Element----- |      | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-----------|-------------------|---------------------|-------------------|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss |                   |                     | KW                | KVAR |            |              |
| 601409       | PL.284      | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23   | 0.87         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 0.749             | 0.000               | 7                 | 1    | 1          | 1            |
| 601410       | PL.284      | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23   | 0.83         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 0.749             | 0.000               | 6                 | 1    | 1          | 1            |
| 601404       | PL.284      | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23   | 0.46         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 0.749             | 0.000               | 3                 | 0    | 1          | 1            |
| 601424       | PL.284      | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23   | 0.62         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 0.749             | 0.000               | 5                 | 1    | 1          | 1            |
| 601405       | PL.284      | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23   | 0.72         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 0.749             | 0.000               | 5                 | 1    | 1          | 1            |
| 601406       | PL.284      | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23   | 0.51         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 0.749             | 0.000               | 4                 | 1    | 1          | 1            |
| 601408       | PL.284      | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.749             | 0.000               | 0                 | 0    | 0          | 0            |
| PL.16897     | PL.284      | A   | 336ACSR            | 7.56Y     | 126.0        | 0.00            | -0.04  | 7.16         | 1        | 53         | 12   | 98      | 0.00       | 0.0       | 0.755             | 0.005               | 0                 | 0    | 0          | 15           |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.00            | 0.39   | 12.53        | 2        | 93         | 15   | 99      |            |           |                   |                     | 0                 | 0    | 0          | 18           |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.23   | 8.58         | 1        | 62         | 20   | 95      |            |           |                   |                     | 0                 | 0    | 0          | 16           |
| PD.2349-A    | PL.16897    | A   | Closed             | 7.56Y     | 126.0        | 0.00            | -0.04  | 7.16         | 0        | 53         | 12   | 98      | 0.00       | 0.0       | 0.755             | 0.000               | 0                 | 0    | 0          | 15           |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.00            | 0.39   | 12.53        | 0        | 93         | 15   | 99      |            |           |                   |                     | 0                 | 0    | 0          | 18           |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.23   | 8.58         | 0        | 62         | 20   | 95      |            |           |                   |                     | 0                 | 0    | 0          | 16           |
| PD.2349-B    | PD.2349-A   | A   | Closed             | 7.56Y     | 126.0        | 0.00            | -0.04  | 7.16         | 0        | 53         | 12   | 98      | 0.00       | 0.0       | 0.755             | 0.000               | 0                 | 0    | 0          | 15           |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.00            | 0.39   | 12.53        | 0        | 93         | 15   | 99      |            |           |                   |                     | 0                 | 0    | 0          | 18           |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.23   | 8.58         | 0        | 62         | 20   | 95      |            |           |                   |                     | 0                 | 0    | 0          | 16           |
| PL.16898     | PD.2349-B   | A   | 336ACSR            | 7.56Y     | 126.0        | 0.00            | -0.04  | 7.16         | 1        | 53         | 12   | 98      | 0.00       | 0.0       | 0.774             | 0.020               | 0                 | 0    | 0          | 15           |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.00            | 0.39   | 12.53        | 2        | 93         | 15   | 99      |            |           |                   |                     | 0                 | 0    | 0          | 18           |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.23   | 8.58         | 1        | 62         | 20   | 95      |            |           |                   |                     | 0                 | 0    | 0          | 16           |
| 601418       | PL.16898    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39   | 0.20         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 0.774             | 0.000               | 1                 | 0    | 1          | 1            |
| 601421       | PL.16898    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39   | 0.11         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 0.774             | 0.000               | 1                 | 0    | 1          | 1            |
| PL.26457     | PL.16898    | A   | 336ACSR            | 7.56Y     | 126.0        | 0.00            | -0.04  | 7.16         | 1        | 53         | 12   | 98      | 0.00       | 0.0       | 0.795             | 0.021               | 0                 | 0    | 0          | 15           |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.00            | 0.40   | 12.22        | 2        | 91         | 14   | 99      |            |           |                   |                     | 0                 | 0    | 0          | 16           |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.23   | 8.58         | 1        | 62         | 20   | 95      |            |           |                   |                     | 0                 | 0    | 0          | 16           |
| PL.16895     | PL.26457    | A   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | -0.04  | 1.50         | 1        | 11         | 2    | 98      | 0.00       | 0.0       | 0.801             | 0.006               | 0                 | 0    | 0          | 2            |
| PD.2188      | PL.16895    | A   | fuse6AMP           | 7.56Y     | 126.0        | 0.00            | -0.04  | 1.50         | 26       | 11         | 2    | 98      | 0.00       | 0.0       | 0.801             | 0.000               | 0                 | 0    | 0          | 2            |
| PL.16896     | PD.2188     | A   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | -0.03  | 1.50         | 1        | 11         | 2    | 98      | 0.00       | 0.0       | 0.836             | 0.035               | 0                 | 0    | 0          | 2            |
| 600401       | PL.16896    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | -0.03  | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 0.836             | 0.000               | 2                 | 0    | 1          | 1            |
| 601420       | PL.16896    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | -0.03  | 1.21         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 0.836             | 0.000               | 9                 | 1    | 1          | 1            |
| 601419       | PL.16896    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | -0.03  | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.836             | 0.000               | 0                 | 0    | 0          | 0            |
| PL.26458     | PL.26457    | A   | 336ACSR            | 7.56Y     | 126.0        | 0.00            | -0.04  | 5.67         | 1        | 42         | 10   | 97      | 0.00       | 0.0       | 0.853             | 0.058               | 0                 | 0    | 0          | 13           |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.00            | 0.40   | 7.33         | 1        | 54         | 9    | 99      |            |           |                   |                     | 0                 | 0    | 0          | 11           |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.24   | 8.58         | 1        | 62         | 20   | 95      |            |           |                   |                     | 0                 | 0    | 0          | 16           |
| 601501       | PL.26458    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40   | 0.64         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 0.853             | 0.000               | 5                 | 1    | 1          | 1            |
| 601505       | PL.26458    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40   | 1.15         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 0.853             | 0.000               | 9                 | 1    | 1          | 1            |
| 601412       | PL.26458    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40   | 0.93         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 0.853             | 0.000               | 7                 | 1    | 1          | 1            |
| 601504       | PL.26458    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40   | 0.16         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 0.853             | 0.000               | 1                 | 0    | 1          | 1            |
| 601507       | PL.26458    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40   | 0.63         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 0.853             | 0.000               | 5                 | 1    | 1          | 1            |
| 601506       | PL.26458    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40   | 1.07         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 0.853             | 0.000               | 8                 | 1    | 1          | 1            |
| 601411       | PL.26458    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40   | 0.41         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 0.853             | 0.000               | 3                 | 0    | 1          | 1            |
| PL.26459     | PL.26458    | A   | 336ACSR            | 7.56Y     | 126.0        | 0.00            | -0.03  | 5.67         | 1        | 42         | 10   | 97      | 0.00       | 0.0       | 0.953             | 0.100               | 0                 | 0    | 0          | 13           |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.00            | 0.40   | 2.34         | 0        | 17         | 4    | 97      |            |           |                   |                     | 0                 | 0    | 0          | 4            |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.01            | 0.25   | 8.58         | 1        | 62         | 20   | 95      |            |           |                   |                     | 0                 | 0    | 0          | 16           |
| PL.26460     | PL.26459    | A   | 336ACSR            | 7.56Y     | 126.0        | 0.00            | -0.03  | 4.89         | 1        | 36         | 8    | 98      | 0.00       | 0.0       | 0.972             | 0.018               | 0                 | 0    | 0          | 13           |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.00            | 0.40   | 1.57         | 0        | 12         | 2    | 99      |            |           |                   |                     | 0                 | 0    | 0          | 3            |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.25   | 7.33         | 1        | 53         | 17   | 95      |            |           |                   |                     | 0                 | 0    | 0          | 14           |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.7483, PL.19132, etc.



Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for elements like PL.19938, 601804, 602804, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.26445, PL.18551, PD.3569, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements 600406 through 0718121.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |      |      |      |      |      |      | %<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |        | Cons<br>On | Cons<br>Thru |      |        |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|------|------|------|------|------|------|-----------|-----------|-------------------|-------------------|--------|------------|--------------|------|--------|
|              |             |     |                    |           |              |                 | Accum                    | Thru | %    | Thru | KV   | PF   | kW   |           |           |                   | mi                | Length |            |              | KW   | KVAR   |
|              |             |     |                    |           |              |                 | Drop                     | Drop | Amps | Cap  | Thru | KVAR | PF   |           |           |                   | Loss              | Loss   |            |              | From | Length |
| 0718119      | PL.26451    | B   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55                     | 0.01 | 0    | 0    | 0    | 100  | 0.00 | 0.0       | 0.948     | 0.000             | 0                 | 0      | 1          | 1            |      |        |
| 600330       | PL.26451    | B   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55                     | 0.08 | 0    | 1    | 0    | 100  | 0.00 | 0.0       | 0.948     | 0.000             | 1                 | 0      | 1          | 1            |      |        |
| 0718117      | PL.26451    | B   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55                     | 0.24 | 0    | 2    | 0    | 100  | 0.00 | 0.0       | 0.948     | 0.000             | 2                 | 0      | 1          | 1            |      |        |
| 600327       | PL.26451    | B   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55                     | 0.00 | 0    | 0    | 0    | 100  | 0.00 | 0.0       | 0.948     | 0.000             | 0                 | 0      | 1          | 1            |      |        |
| 0718118      | PL.26451    | B   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55                     | 0.23 | 0    | 2    | 0    | 100  | 0.00 | 0.0       | 0.948     | 0.000             | 2                 | 0      | 1          | 1            |      |        |
| 600324       | PL.26451    | B   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55                     | 0.21 | 0    | 2    | 0    | 100  | 0.00 | 0.0       | 0.948     | 0.000             | 2                 | 0      | 1          | 1            |      |        |
| 0718120      | PL.26451    | B   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55                     | 0.23 | 0    | 2    | 0    | 100  | 0.00 | 0.0       | 0.948     | 0.000             | 2                 | 0      | 1          | 1            |      |        |
| 6004021      | PL.45966    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.18 | 0    | 1    | 0    | 100  | 0.00 | 0.0       | 0.850     | 0.000             | 1                 | 0      | 0          | 0            |      |        |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.18 | 0    | 1    | 0    | 99   |      |           |           |                   | 1                 | 0      | 0          | 0            |      |        |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.22                     | 0.18 | 0    | 1    | 0    | 99   |      |           |           |                   | 1                 | 0      | 0          | 0            |      |        |
| 600409       | PL.18552    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.22                     | 0.00 | 0    | 0    | 0    | 100  | 0.00 | 0.0       | 0.848     | 0.000             | 0                 | 0      | 0          | 0            |      |        |
| 600419       | PL.18552    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.48 | 0    | 4    | 0    | 100  | 0.00 | 0.0       | 0.848     | 0.000             | 4                 | 0      | 1          | 1            |      |        |
| PL.18553     | PL.18552    | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.50                     | 2.26 | 1    | 17   | 2    | 99   | 0.00 | 0.0       | 0.854     | 0.005             | 0                 | 0      | 0          | 15           |      |        |
| PD.2193      | PL.18553    | B   | fuse6AMP           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 2.26 | 39   | 17   | 2    | 99   | 0.00 | 0.0       | 0.854     | 0.000             | 0                 | 0      | 0          | 15           |      |        |
| PL.18554     | PD.2193     | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.50                     | 2.26 | 1    | 17   | 2    | 99   | 0.00 | 0.0       | 0.872     | 0.019             | 0                 | 0      | 0          | 15           |      |        |
| PL.26447     | PL.18554    | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.51                     | 1.10 | 1    | 8    | 1    | 99   | 0.00 | 0.0       | 0.901     | 0.029             | 0                 | 0      | 0          | 7            |      |        |
| 600334       | PL.26447    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.00 | 0    | 0    | 0    | 100  | 0.00 | 0.0       | 0.901     | 0.000             | 0                 | 0      | 0          | 0            |      |        |
| 600332       | PL.26447    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.02 | 0    | 0    | 0    | 100  | 0.00 | 0.0       | 0.901     | 0.000             | 0                 | 0      | 1          | 1            |      |        |
| 600308       | PL.26447    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.22 | 0    | 2    | 0    | 100  | 0.00 | 0.0       | 0.901     | 0.000             | 2                 | 0      | 1          | 1            |      |        |
| 600309       | PL.26447    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.33 | 0    | 2    | 0    | 100  | 0.00 | 0.0       | 0.901     | 0.000             | 2                 | 0      | 1          | 1            |      |        |
| 600311       | PL.26447    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.14 | 0    | 1    | 0    | 100  | 0.00 | 0.0       | 0.901     | 0.000             | 1                 | 0      | 1          | 1            |      |        |
| 600310       | PL.26447    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.26 | 0    | 2    | 0    | 100  | 0.00 | 0.0       | 0.901     | 0.000             | 2                 | 0      | 1          | 1            |      |        |
| 600333       | PL.26447    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.11 | 0    | 1    | 0    | 100  | 0.00 | 0.0       | 0.901     | 0.000             | 1                 | 0      | 1          | 1            |      |        |
| 600331       | PL.26447    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.01 | 0    | 0    | 0    | 100  | 0.00 | 0.0       | 0.901     | 0.000             | 0                 | 0      | 1          | 1            |      |        |
| 600321       | PL.18554    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.01 | 0    | 0    | 0    | 100  | 0.00 | 0.0       | 0.872     | 0.000             | 0                 | 0      | 1          | 1            |      |        |
| 600307       | PL.18554    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.16 | 0    | 1    | 0    | 100  | 0.00 | 0.0       | 0.872     | 0.000             | 1                 | 0      | 1          | 1            |      |        |
| 600320       | PL.18554    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.02 | 0    | 0    | 0    | 100  | 0.00 | 0.0       | 0.872     | 0.000             | 0                 | 0      | 1          | 1            |      |        |
| 600304       | PL.18554    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.15 | 0    | 1    | 0    | 100  | 0.00 | 0.0       | 0.872     | 0.000             | 1                 | 0      | 1          | 1            |      |        |
| 600319       | PL.18554    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.05 | 0    | 0    | 0    | 100  | 0.00 | 0.0       | 0.872     | 0.000             | 0                 | 0      | 1          | 1            |      |        |
| 600305       | PL.18554    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.20 | 0    | 1    | 0    | 100  | 0.00 | 0.0       | 0.872     | 0.000             | 1                 | 0      | 1          | 1            |      |        |
| 600306       | PL.18554    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.52 | 0    | 4    | 1    | 97   | 0.00 | 0.0       | 0.872     | 0.000             | 4                 | 1      | 1          | 1            |      |        |
| 600318       | PL.18554    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.06 | 0    | 0    | 0    | 100  | 0.00 | 0.0       | 0.872     | 0.000             | 0                 | 0      | 1          | 1            |      |        |
| PL.33672     | PL.18552    | A   | 2ACSR              | 7.56Y     | 126.0        | 0.00            | 0.00                     | 1.58 | 1    | 12   | 2    | 99   | 0.00 | 0.0       | 0.872     | 0.024             | 0                 | 0      | 0          | 4            |      |        |
| PL.33673     | PL.33672    | A   | 2ACSR              | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.70 | 0    | 5    | 1    | 98   | 0.00 | 0.0       | 0.900     | 0.028             | 0                 | 0      | 0          | 1            |      |        |
| 6004022      | PL.33673    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.00 | 0    | 0    | 0    | 100  | 0.00 | 0.0       | 0.900     | 0.000             | 0                 | 0      | 0          | 0            |      |        |
| 6004023      | PL.33673    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.70 | 0    | 5    | 1    | 98   | 0.00 | 0.0       | 0.900     | 0.000             | 5                 | 1      | 1          | 1            |      |        |
| 6004024      | PL.33672    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.09 | 0    | 1    | 0    | 100  | 0.00 | 0.0       | 0.872     | 0.000             | 1                 | 0      | 1          | 1            |      |        |
| 6004025      | PL.33672    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.52 | 0    | 4    | 1    | 97   | 0.00 | 0.0       | 0.872     | 0.000             | 4                 | 1      | 1          | 1            |      |        |
| 600420       | PL.33672    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.27 | 0    | 2    | 0    | 100  | 0.00 | 0.0       | 0.872     | 0.000             | 2                 | 0      | 1          | 1            |      |        |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes a sub-table for element PL.17372 with rows A, B, and C.

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PD.3568, PL.17373, PL.13868, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements like PL.26432, PL.379, PL.26433, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            |           |                | mi<br>From<br>Src | -----Element----- |    |      |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-----------|----------------|-------------------|-------------------|----|------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | Length<br>(mi) |                   | Cons Cons         |    |      |    |
|              |             |     |                    |           |              |                 |  |              |          |            |      |         |            |           | KW             |                   | KVAR              | On | Thru |    |
| PD.3241-A    | PL.17416    | C   | Closed             | 7.51Y     | 125.2        | 0.00            | 0.80   | 10.91        | 0        | 81         | 11   | 99      | 0.00       | 0.0       | 0.979          | 0.000             | 0                 | 0  | 0    | 24 |
| PD.3241-B    | PD.3241-A   | C   | Closed             | 7.51Y     | 125.2        | 0.00            | 0.80   | 10.91        | 0        | 81         | 11   | 99      | 0.00       | 0.0       | 0.979          | 0.000             | 0                 | 0  | 0    | 24 |
| PL.17417     | PD.3241-B   | C   | 4ACSR              | 7.51Y     | 125.2        | 0.01            | 0.81   | 10.91        | 6        | 81         | 11   | 99      | 0.00       | 0.0       | 0.995          | 0.016             | 0                 | 0  | 0    | 24 |
| PL.7898      | PL.17417    | C   | 4ACSR              | 7.51Y     | 125.2        | 0.01            | 0.82   | 10.91        | 6        | 81         | 11   | 99      | 0.01       | 0.0       | 1.023          | 0.028             | 0                 | 0  | 0    | 24 |
| 071715       | PL.7898     | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.82   | 0.94         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 1.023          | 0.000             | 7                 | 1  | 1    | 1  |
| PL.7899      | PL.7898     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.02            | 0.84   | 9.97         | 5        | 74         | 10   | 99      | 0.01       | 0.0       | 1.071          | 0.048             | 0                 | 0  | 0    | 23 |
| PL.4826      | PL.7899     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.84   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.071          | 0.000             | 0                 | 0  | 0    | 0  |
| PL.25208     | PL.7899     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.01            | 0.85   | 9.97         | 5        | 74         | 10   | 99      | 0.00       | 0.0       | 1.089          | 0.018             | 0                 | 0  | 0    | 23 |
| PL.25209     | PL.25208    | C   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.85   | 9.47         | 5        | 70         | 10   | 99      | 0.00       | 0.0       | 1.100          | 0.011             | 0                 | 0  | 0    | 21 |
| PL.7900      | PL.25209    | C   | 4ACSR              | 7.51Y     | 125.1        | 0.02            | 0.87   | 9.47         | 5        | 70         | 10   | 99      | 0.01       | 0.0       | 1.140          | 0.039             | 0                 | 0  | 0    | 21 |
| 071721       | PL.7900     | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87   | 0.31         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 1.140          | 0.000             | 2                 | 0  | 1    | 1  |
| 071719       | PL.7900     | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87   | 0.64         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 1.140          | 0.000             | 5                 | 1  | 1    | 1  |
| PL.26438     | PL.7900     | C   | 4ACSR              | 7.51Y     | 125.1        | 0.02            | 0.89   | 8.53         | 4        | 63         | 9    | 99      | 0.01       | 0.0       | 1.195          | 0.055             | 0                 | 0  | 0    | 19 |
| PL.26439     | PL.26438    | C   | 4ACSR              | 7.51Y     | 125.1        | 0.02            | 0.91   | 7.47         | 4        | 56         | 8    | 99      | 0.01       | 0.0       | 1.255          | 0.060             | 0                 | 0  | 0    | 15 |
| PL.25205     | PL.26439    | C   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.91   | 7.47         | 4        | 56         | 8    | 99      | 0.00       | 0.0       | 1.259          | 0.003             | 0                 | 0  | 0    | 15 |
| PL.26440     | PL.25205    | C   | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.91   | 4.61         | 2        | 34         | 5    | 99      | 0.00       | 0.0       | 1.291          | 0.033             | 0                 | 0  | 0    | 11 |
| PL.26441     | PL.26440    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.92   | 2.20         | 1        | 16         | 2    | 99      | 0.00       | 0.0       | 1.337          | 0.045             | 0                 | 0  | 0    | 5  |
| PL.26442     | PL.26441    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.92   | 1.46         | 1        | 11         | 1    | 100     | 0.00       | 0.0       | 1.382          | 0.045             | 0                 | 0  | 0    | 3  |
| 071802       | PL.26442    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92   | 0.57         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 1.382          | 0.000             | 4                 | 1  | 1    | 1  |
| 0718142      | PL.26442    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92   | 0.47         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.382          | 0.000             | 3                 | 0  | 1    | 1  |
| 071896       | PL.26442    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92   | 0.42         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.382          | 0.000             | 3                 | 0  | 1    | 1  |
| 071888       | PL.26441    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92   | 0.40         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.337          | 0.000             | 3                 | 0  | 1    | 1  |
| 071841       | PL.26441    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92   | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 1.337          | 0.000             | 2                 | 0  | 1    | 1  |
| 071810       | PL.26440    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.91   | 0.24         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 1.291          | 0.000             | 2                 | 0  | 1    | 1  |
| 071894       | PL.26440    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.91   | 0.46         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.291          | 0.000             | 3                 | 0  | 1    | 1  |
| 071829       | PL.26440    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.91   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.291          | 0.000             | 0                 | 0  | 1    | 1  |
| 071831       | PL.26440    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.91   | 0.59         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 1.291          | 0.000             | 4                 | 1  | 1    | 1  |
| 0718146      | PL.26440    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.91   | 0.43         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.291          | 0.000             | 3                 | 0  | 1    | 1  |
| 071886       | PL.26440    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.91   | 0.69         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 1.291          | 0.000             | 5                 | 1  | 1    | 1  |
| 071759       | PL.25205    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.91   | 0.69         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 1.259          | 0.000             | 5                 | 1  | 1    | 1  |
| 071805       | PL.25205    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.91   | 0.36         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.259          | 0.000             | 3                 | 0  | 1    | 1  |
| 071834       | PL.25205    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.91   | 0.69         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 1.259          | 0.000             | 5                 | 1  | 1    | 1  |
| 071765       | PL.25205    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.91   | 1.11         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 1.259          | 0.000             | 8                 | 1  | 1    | 1  |
| 071711       | PL.26438    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.89   | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 1.195          | 0.000             | 2                 | 0  | 1    | 1  |
| 071724       | PL.26438    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.89   | 0.12         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 1.195          | 0.000             | 1                 | 0  | 1    | 1  |
| 071722       | PL.26438    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.89   | 0.42         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.195          | 0.000             | 3                 | 0  | 1    | 1  |
| 071713       | PL.26438    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.89   | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 1.195          | 0.000             | 2                 | 0  | 1    | 1  |
| 071893       | PL.25208    | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.85   | 0.20         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 1.089          | 0.000             | 1                 | 0  | 1    | 1  |



Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements 071809 through PL.4817.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |    |
| PL.13873     | PL.13872    | C   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.60                     | 0.79         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 0.937             | 0.020 | 0          | 0            | 0    | 3  |
| 601109       | PL.13873    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.60                     | 0.23         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 0.937             | 0.000 | 2          | 0            | 1    | 1  |
| 601115       | PL.13873    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.60                     | 0.07         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.937             | 0.000 | 1          | 0            | 1    | 1  |
| PL.7470      | PL.13873    | C   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.60                     | 0.49         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 0.964             | 0.028 | 0          | 0            | 0    | 1  |
| 601110       | PL.7470     | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.60                     | 0.49         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 0.964             | 0.000 | 4          | 1            | 1    | 1  |
| PL.3747      | PL.13872    | C   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.60                     | 3.38         | 2        | 25         | 3         | 99         | 0.00      | 0.0               | 0.930             | 0.013 | 0          | 0            | 0    | 4  |
| PL.3741      | PL.3747     | C   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.60                     | 3.38         | 2        | 25         | 3         | 99         | 0.00      | 0.0               | 0.944             | 0.014 | 0          | 0            | 0    | 4  |
| 601107       | PL.3741     | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.60                     | 1.00         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 0.944             | 0.000 | 7          | 1            | 1    | 1  |
| 601105       | PL.3741     | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.60                     | 0.56         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 0.944             | 0.000 | 4          | 1            | 1    | 1  |
| 601108       | PL.3741     | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.60                     | 1.21         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 0.944             | 0.000 | 9          | 1            | 1    | 1  |
| 601111       | PL.3741     | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.60                     | 0.61         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 0.944             | 0.000 | 5          | 1            | 1    | 1  |
| 601106       | PL.13872    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.60                     | 0.40         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 0.917             | 0.000 | 3          | 0            | 1    | 1  |
| 601114       | PL.13872    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.60                     | 0.09         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.917             | 0.000 | 1          | 0            | 1    | 1  |
| 600114       | PL.7469     | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.58                     | 0.35         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 0.839             | 0.000 | 3          | 0            | 1    | 1  |
| 601101       | PL.7469     | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.58                     | 0.30         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 0.839             | 0.000 | 2          | 0            | 1    | 1  |
| PL.3742      | PL.17175    | C   | 4ACSR              | 7.53Y     | 125.4        | 0.00            | 0.57                     | 1.22         | 1        | 9          | 1         | 99         | 0.00      | 0.0               | 0.832             | 0.040 | 0          | 0            | 0    | 3  |
| 600108       | PL.3742     | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57                     | 0.08         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.832             | 0.000 | 1          | 0            | 1    | 1  |
| 6001016      | PL.3742     | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57                     | 0.71         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 0.832             | 0.000 | 5          | 1            | 1    | 1  |
| 600106       | PL.3742     | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57                     | 0.43         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 0.832             | 0.000 | 3          | 0            | 1    | 1  |
| 600109       | PL.3742     | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.832             | 0.000 | 0          | 0            | 0    | 0  |
| PL.13871     | PL.17175    | C   | 4ACSR              | 7.53Y     | 125.4        | 0.01            | 0.57                     | 3.65         | 2        | 27         | 4         | 99         | 0.00      | 0.0               | 0.841             | 0.049 | 0          | 0            | 0    | 12 |
| 600115       | PL.13871    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57                     | 0.20         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.841             | 0.000 | 1          | 0            | 1    | 1  |
| 600103       | PL.13871    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57                     | 0.09         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.841             | 0.000 | 1          | 0            | 1    | 1  |
| PL.13870     | PL.13871    | C   | 4ACSR              | 7.53Y     | 125.4        | 0.00            | 0.57                     | 3.36         | 2        | 25         | 3         | 99         | 0.00      | 0.0               | 0.856             | 0.016 | 0          | 0            | 0    | 10 |
| PL.4827      | PL.13870    | C   | 4ACSR              | 7.53Y     | 125.4        | 0.00            | 0.58                     | 3.36         | 2        | 25         | 3         | 99         | 0.00      | 0.0               | 0.872             | 0.016 | 0          | 0            | 0    | 10 |
| 071897       | PL.4827     | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.58                     | 0.27         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 0.872             | 0.000 | 2          | 0            | 1    | 1  |
| PL.19641     | PL.4827     | C   | 4ACSR              | 7.53Y     | 125.4        | 0.00            | 0.58                     | 3.09         | 2        | 23         | 3         | 99         | 0.00      | 0.0               | 0.905             | 0.033 | 0          | 0            | 0    | 9  |
| PL.19642     | PL.19641    | C   | 4ACSR              | 7.53Y     | 125.4        | 0.00            | 0.58                     | 2.30         | 1        | 17         | 2         | 99         | 0.00      | 0.0               | 0.941             | 0.036 | 0          | 0            | 0    | 7  |
| 0718103      | PL.19642    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.58                     | 0.38         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 0.941             | 0.000 | 3          | 0            | 1    | 1  |
| 0718101      | PL.19642    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.58                     | 0.66         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 0.941             | 0.000 | 5          | 1            | 1    | 1  |
| PL.25206     | PL.19642    | C   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.59                     | 1.26         | 1        | 9          | 1         | 99         | 0.00      | 0.0               | 0.979             | 0.038 | 0          | 0            | 0    | 5  |
| PL.25207     | PL.25206    | C   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.59                     | 0.50         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 1.007             | 0.028 | 0          | 0            | 0    | 3  |
| 071895       | PL.25207    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.59                     | 0.05         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.007             | 0.000 | 0          | 0            | 1    | 1  |
| 0718100      | PL.25207    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.59                     | 0.37         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.007             | 0.000 | 3          | 0            | 1    | 1  |
| 071878       | PL.25207    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.59                     | 0.08         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 1.007             | 0.000 | 1          | 0            | 1    | 1  |
| 0718102      | PL.25206    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.59                     | 0.45         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 0.979             | 0.000 | 3          | 0            | 1    | 1  |
| 071899       | PL.25206    | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.59                     | 0.31         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 0.979             | 0.000 | 2          | 0            | 1    | 1  |
| 071898       | PL.19641    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.58                     | 0.46         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 0.905             | 0.000 | 3          | 0            | 1    | 1  |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW |            |              | KVAR |
| 071811       | PL.19641    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.58                     | 0.34         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.905          | 0.000             | 3  | 0          | 1            | 1    |
| 600110       | PL.17175    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56                     | 0.27         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.792          | 0.000             | 2  | 0          | 1            | 1    |
| 600113       | PL.17175    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56                     | 0.65         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 0.792          | 0.000             | 5  | 1          | 1            | 1    |
| 600111       | PL.17175    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56                     | 0.47         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.792          | 0.000             | 3  | 0          | 1            | 1    |
| 600112       | PL.17175    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56                     | 0.32         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.792          | 0.000             | 2  | 0          | 1            | 1    |
| 600101       | PL.7479     | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.34         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.740          | 0.000             | 3  | 0          | 1            | 1    |
| 600107       | PL.7479     | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.740          | 0.000             | 2  | 0          | 1            | 1    |
| 600105       | PL.13868    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.40         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.692          | 0.000             | 3  | 0          | 1            | 1    |
| 600104       | PL.13868    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 1.28         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 0.692          | 0.000             | 10 | 1          | 1            | 1    |
| 600202       | PL.17373    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.667          | 0.000             | 2  | 0          | 1            | 1    |
| PL.17179     | PL.7458     | A   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | -0.02                    | 19.09        | 10       | 141        | 29   | 98      | 0.01       | 0.0               | 0.421          | 0.006             | 0  | 0          | 0            | 45   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.16                     | 14.39        | 7        | 108        | 16   | 99      |            |                   |                |                   | 0  | 0          | 0            | 33   |
| PD.2102      | PL.17179    | A   | fuse25AMP          | 7.56Y     | 126.0        | 0.00            | -0.02                    | 19.09        | 79       | 141        | 29   | 98      | 0.00       | 0.0               | 0.421          | 0.000             | 0  | 0          | 0            | 45   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.16                     | 14.39        | 59       | 108        | 16   | 99      |            |                   |                |                   | 0  | 0          | 0            | 33   |
| PL.17180     | PD.2102     | A   | 4ACSR              | 7.56Y     | 126.0        | 0.02            | -0.00                    | 19.09        | 10       | 141        | 29   | 98      | 0.04       | 0.0               | 0.451          | 0.030             | 0  | 0          | 0            | 45   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.02            | 0.18                     | 14.39        | 7        | 108        | 16   | 99      |            |                   |                |                   | 0  | 0          | 0            | 33   |
| PL.13866     | PL.17180    | A   | 4ACSR              | 7.56Y     | 126.0        | 0.02            | 0.02                     | 18.41        | 9        | 136        | 29   | 98      | 0.03       | 0.0               | 0.479          | 0.028             | 0  | 0          | 0            | 43   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.02            | 0.20                     | 13.83        | 7        | 103        | 15   | 99      |            |                   |                |                   | 0  | 0          | 0            | 31   |
| 603205       | PL.13866    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20                     | 0.24         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.479          | 0.000             | 2  | 0          | 1            | 1    |
| 603249       | PL.13866    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.02                     | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.479          | 0.000             | 2  | 0          | 1            | 1    |
| 602206       | PL.13866    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20                     | 0.38         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.479          | 0.000             | 3  | 0          | 1            | 1    |
| 603250       | PL.13866    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.02                     | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.479          | 0.000             | 2  | 0          | 1            | 1    |
| 603248       | PL.13866    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.02                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.479          | 0.000             | 0  | 0          | 1            | 1    |
| 603251       | PL.13866    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.02                     | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.479          | 0.000             | 2  | 0          | 1            | 1    |
| 603247       | PL.13866    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.02                     | 0.27         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.479          | 0.000             | 2  | 0          | 1            | 1    |
| 603252       | PL.13866    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.02                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.479          | 0.000             | 2  | 0          | 1            | 1    |
| 603203       | PL.13866    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20                     | 0.35         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.479          | 0.000             | 3  | 0          | 1            | 1    |
| 603204       | PL.13866    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20                     | 0.62         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 0.479          | 0.000             | 5  | 1          | 1            | 1    |
| PL.3746      | PL.13866    | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.20                     | 3.17         | 2        | 24         | 3    | 99      | 0.00       | 0.0               | 0.501          | 0.021             | 0  | 0          | 0            | 5    |
| PL.3739      | PL.3746     | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.21                     | 3.17         | 2        | 24         | 3    | 99      | 0.00       | 0.0               | 0.520          | 0.020             | 0  | 0          | 0            | 5    |
| 603101       | PL.3739     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.20         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 0.520          | 0.000             | 1  | 0          | 1            | 1    |
| 603238       | PL.3739     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.520          | 0.000             | 0  | 0          | 0            | 0    |
| 603206       | PL.3739     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.93         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 0.520          | 0.000             | 7  | 1          | 1            | 1    |
| 603234       | PL.3739     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.520          | 0.000             | 0  | 0          | 0            | 0    |
| 603233       | PL.3739     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 0.520          | 0.000             | 1  | 0          | 1            | 1    |
| 603237       | PL.3739     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.520          | 0.000             | 0  | 0          | 0            | 0    |
| 603240       | PL.3739     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.520          | 0.000             | 2  | 0          | 1            | 1    |
| 603201       | PL.3739     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 1.67         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 0.520          | 0.000             | 12 | 2          | 1            | 1    |
| 603235       | PL.3739     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.520          | 0.000             | 0  | 0          | 0            | 0    |
| PL.13867     | PL.13866    | A   | 4ACSR              | 7.56Y     | 126.0        | 0.03            | 0.04                     | 16.95        | 9        | 125        | 27   | 98      | 0.04       | 0.0               | 0.523          | 0.044             | 0  | 0          | 0            | 37   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.02            | 0.22                     | 9.08         | 5        | 68         | 10   | 99      |            |                   |                |                   | 0  | 0          | 0            | 22   |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.17353, PL.29518, C PD.3641, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |      | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------------------|----------------|-------------------|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss |                   |                | KW                | KVAR |            |              |
| 604207       | PL.29359    | A   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.10                     | 0.41         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 0.697             | 0.000          | 3                 | 0    | 1          | 1            |
| 604206       | PL.29359    | A   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.10                     | 0.14         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 0.697             | 0.000          | 1                 | 0    | 1          | 1            |
| 604203       | PL.29359    | A   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.10                     | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 0.697             | 0.000          | 2                 | 0    | 1          | 1            |
| 604202       | PL.29359    | A   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.10                     | 0.32         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 0.697             | 0.000          | 2                 | 0    | 1          | 1            |
| 604204       | PL.29359    | A   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.10                     | 0.25         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 0.697             | 0.000          | 2                 | 0    | 1          | 1            |
| PL.29360     | PL.29359    | A   | 4ACSR              | 7.55Y     | 125.9        | -0.00           | 0.10                     | 0.00         | 0        | 0          | 0    | 100     | 0.01       | 0.0       | 0.733             | 0.036          | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.01            | 0.31                     | 8.66         | 4        | 65         | 10   | 99      |            |           | 0                 | 0              | 0                 | 0    | 21         |              |
| PL.29361     | PL.29360    | A   | 4ACSR              | 7.55Y     | 125.9        | -0.00           | 0.10                     | 0.00         | 0        | 0          | 0    | 100     | 0.01       | 0.0       | 0.779             | 0.046          | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.02            | 0.32                     | 8.66         | 4        | 65         | 10   | 99      |            |           | 0                 | 0              | 0                 | 0    | 21         |              |
| PL.29354     | PL.29361    | A   | 4ACSR              | 7.55Y     | 125.9        | -0.00           | 0.10                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.794             | 0.015          | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.33                     | 6.89         | 4        | 51         | 8    | 99      |            |           | 0                 | 0              | 0                 | 0    | 17         |              |
| PL.29392     | PL.29354    | A   | 4ACSR              | 7.55Y     | 125.9        | -0.00           | 0.09                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.806             | 0.012          | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.33                     | 6.89         | 4        | 51         | 8    | 99      |            |           | 0                 | 0              | 0                 | 0    | 17         |              |
| PL.29393     | PL.29392    | A   | 4ACSR              | 7.55Y     | 125.9        | -0.00           | 0.09                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.807             | 0.001          | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.33                     | 2.63         | 1        | 20         | 3    | 99      |            |           | 0                 | 0              | 0                 | 0    | 8          |              |
| PL.29362     | PL.29393    | A   | 4ACSR              | 7.55Y     | 125.9        | -0.00           | 0.09                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.834             | 0.027          | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.34                     | 2.63         | 1        | 20         | 3    | 99      |            |           | 0                 | 0              | 0                 | 0    | 8          |              |
| PL.29394     | PL.29362    | A   | 4ACSR              | 7.55Y     | 125.9        | -0.00           | 0.09                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.841             | 0.007          | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.34                     | 2.63         | 1        | 20         | 3    | 99      |            |           | 0                 | 0              | 0                 | 0    | 8          |              |
| PL.29395     | PL.29394    | A   | 4ACSR              | 7.55Y     | 125.9        | -0.00           | 0.09                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.852             | 0.011          | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.34                     | 1.21         | 1        | 9          | 1    | 99      |            |           | 0                 | 0              | 0                 | 0    | 4          |              |
| PL.29531     | PL.29395    | A   | 4ACSR              | 7.55Y     | 125.9        | -0.00           | 0.09                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.861             | 0.009          | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.34                     | 1.21         | 1        | 9          | 1    | 99      |            |           | 0                 | 0              | 0                 | 0    | 4          |              |
| 603311       | PL.29531    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 0.861             | 0.000          | 2                 | 0    | 1          | 1            |
| 603313       | PL.29531    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.37         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 0.861             | 0.000          | 3                 | 0    | 1          | 1            |
| 603312       | PL.29531    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.21         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 0.861             | 0.000          | 2                 | 0    | 1          | 1            |
| 603310       | PL.29531    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.34         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 0.861             | 0.000          | 3                 | 0    | 1          | 1            |
| PL.29532     | PL.29531    | A   | 4ACSR              | 7.55Y     | 125.9        | 0.00            | 0.09                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.870             | 0.009          | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.00         | 0        | 0          | 0    | 100     |            |           | 0                 | 0              | 0                 | 0    | 0          |              |
| PD.3496-B    | PL.29532    | A   | Open               | 7.55Y     | 125.9        | 0.00            | 0.09                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.870             | 0.000          | 0                 | 0    | 0          | 0            |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.00         | 0        | 0          | 0    | 100     |            |           | 0                 | 0              | 0                 | 0    | 0          |              |
| 603308       | PL.29394    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 0.841             | 0.000          | 2                 | 0    | 1          | 1            |
| 603306       | PL.29394    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.32         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 0.841             | 0.000          | 2                 | 0    | 1          | 1            |
| 603307       | PL.29394    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.40         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 0.841             | 0.000          | 3                 | 0    | 1          | 1            |
| 603309       | PL.29394    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.40         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 0.841             | 0.000          | 3                 | 0    | 1          | 1            |
| 603228       | PL.29392    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.63         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 0.806             | 0.000          | 5                 | 1    | 1          | 1            |
| 603232       | PL.29392    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.43         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 0.806             | 0.000          | 3                 | 0    | 1          | 1            |
| 603229       | PL.29392    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.49         | 0        | 4          | 0    | 100     | 0.00       | 0.0       | 0.806             | 0.000          | 4                 | 0    | 1          | 1            |
| 603314       | PL.29392    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.28         | 0        | 2          | 1    | 89      | 0.00       | 0.0       | 0.806             | 0.000          | 2                 | 1    | 1          | 1            |
| 603305       | PL.29392    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.45         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 0.806             | 0.000          | 3                 | 0    | 1          | 1            |
| 603303       | PL.29392    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.47         | 0        | 4          | 0    | 100     | 0.00       | 0.0       | 0.806             | 0.000          | 4                 | 0    | 1          | 1            |
| 603304       | PL.29392    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.42         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 0.806             | 0.000          | 3                 | 0    | 1          | 1            |
| 603230       | PL.29392    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.63         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 0.806             | 0.000          | 5                 | 1    | 1          | 1            |
| 603231       | PL.29392    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.46         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 0.806             | 0.000          | 3                 | 0    | 1          | 1            |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 603224       | PL.29361    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.32                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.779                               | 0.000 | 3    | 0          | 1            | 1 |
| 603226       | PL.29361    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.32                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.779                               | 0.000 | 3    | 0          | 1            | 1 |
| 603225       | PL.29361    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.32                     | 0.54         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 0.779                               | 0.000 | 4    | 1          | 1            | 1 |
| 603227       | PL.29361    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.32                     | 0.39         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.779                               | 0.000 | 3    | 0          | 1            | 1 |
| 603239       | PL.29358    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.664                               | 0.000 | 0    | 0          | 0            | 0 |
| 603242       | PL.29358    | A   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.10                     | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.664                               | 0.000 | 2    | 0          | 1            | 1 |
| 603245       | PL.29358    | A   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.10                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.664                               | 0.000 | 2    | 0          | 1            | 1 |
| 603244       | PL.29358    | A   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.10                     | 0.27         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.664                               | 0.000 | 2    | 0          | 1            | 1 |
| 603241       | PL.29358    | A   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.10                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.664                               | 0.000 | 2    | 0          | 1            | 1 |
| 603246       | PL.29358    | A   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.10                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.664                               | 0.000 | 2    | 0          | 1            | 1 |
| 603202       | PL.29358    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.664                               | 0.000 | 0    | 0          | 0            | 0 |
| 603243       | PL.29358    | A   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.10                     | 0.25         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.664                               | 0.000 | 2    | 0          | 1            | 1 |
| 603211       | PL.29519    | A   | Consumer           | 7.56Y     | 125.9        | 0.00            | 0.08                     | 0.44         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.588                               | 0.000 | 3    | 0          | 1            | 1 |
| 603210       | PL.29519    | A   | Consumer           | 7.56Y     | 125.9        | 0.00            | 0.08                     | 0.12         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.588                               | 0.000 | 1    | 0          | 1            | 1 |
| 603208       | PL.29519    | A   | Consumer           | 7.56Y     | 125.9        | 0.00            | 0.08                     | 0.27         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.588                               | 0.000 | 2    | 0          | 1            | 1 |
| 603209       | PL.29519    | A   | Consumer           | 7.56Y     | 125.9        | 0.00            | 0.08                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.588                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.17354     | PL.17353    | A   | 4ACSR              | 7.56Y     | 125.9        | 0.00            | 0.06                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 0.598                               | 0.051 | 0    | 0          | 0            | 1 |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.42         | 0        | 3          | 0       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 1 |
| PL.17355     | PL.17354    | A   | 4ACSR              | 7.56Y     | 125.9        | 0.00            | 0.06                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 0.604                               | 0.006 | 0    | 0          | 0            | 1 |
| PD.2100      | PL.17355    | A   | fuse6AMP           | 7.56Y     | 125.9        | 0.00            | 0.06                     | 0.63         | 11       | 5          | 1       | 98         | 0.00      | 0.0               | 0.604                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.17356     | PD.2100     | A   | 4ACSR              | 7.56Y     | 125.9        | 0.00            | 0.06                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 0.667                               | 0.063 | 0    | 0          | 0            | 1 |
| 602301       | PL.17356    | A   | Consumer           | 7.56Y     | 125.9        | 0.00            | 0.06                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 0.667                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.3740      | PL.17354    | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.639                               | 0.041 | 0    | 0          | 0            | 1 |
| 603302       | PL.3740     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.639                               | 0.000 | 0    | 0          | 0            | 0 |
| 603301       | PL.3740     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.639                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.29520     | PL.17354    | A   | 4ACSR              | 7.56Y     | 125.9        | 0.00            | 0.06                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.604                               | 0.005 | 0    | 0          | 0            | 0 |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0 |
| PD.3496-A    | PL.29520    | A   | Open               | 7.56Y     | 125.9        | 0.00            | 0.06                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.604                               | 0.000 | 0    | 0          | 0            | 0 |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0 |
| 603207       | PL.17353    | A   | Consumer           | 7.56Y     | 125.9        | 0.00            | 0.06                     | 3.27         | 0        | 22         | 11      | 89         | 0.00      | 0.0               | 0.548                               | 0.000 | 22   | 11         | 1            | 1 |
| 602207       | PL.17180    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.451                               | 0.000 | 0    | 0          | 1            | 1 |
| 602201       | PL.17180    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | -0.00                    | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 0.451                               | 0.000 | 4    | 1          | 1            | 1 |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.52         | 0        | 4          | 1       | 99         |           |                   |                                     |       | 4    | 1          | 1            | 1 |
| 602203       | PL.17180    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | -0.00                    | 0.16         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.451                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.13394     | PL.7458     | A   | 397ACSR            | 7.56Y     | 126.0        | 0.00            | -0.03                    | 1.92         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 0.437                               | 0.021 | 0    | 0          | 0            | 4 |
|              |             | B   |                    | 7.55Y     | 125.8        | -0.00           | 0.23                     | 0.15         | 0        | 1          | 0       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 1 |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.16                     | 0.82         | 0        | 6          | 1       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 4 |
| PL.13395     | PL.13394    | A   | 397ACSR            | 7.56Y     | 126.0        | 0.00            | -0.03                    | 1.92         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 0.488                               | 0.052 | 0    | 0          | 0            | 4 |
|              |             | B   |                    | 7.55Y     | 125.8        | -0.00           | 0.23                     | 0.15         | 0        | 1          | 0       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 1 |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.16                     | 0.32         | 0        | 2          | 0       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 2 |
| 602104       | PL.13395    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | -0.03                    | 0.86         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.488                               | 0.000 | 6    | 1          | 1            | 1 |
| 602101       | PL.13395    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | -0.03                    | 0.39         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.488                               | 0.000 | 3    | 0          | 1            | 1 |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low



Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 604102, 603114, 604108, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 1 (STANTON1) beginning with Device PD.3918.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |     |
| PL.7497      | PL.17158    | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.51                     | 3.16         | 2        | 24         | 3       | 99         | 0.00      | 0.0               | 0.432             | 0.011 | 0          | 0            | 0    | 12  |
| 605528       | PL.7497     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.22         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.432             | 0.000 | 2          | 0            | 1    | 1   |
| 605514       | PL.7497     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.432             | 0.000 | 2          | 0            | 1    | 1   |
| PL.7498      | PL.7497     | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.52                     | 2.70         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 0.464             | 0.032 | 0          | 0            | 0    | 10  |
| 605534       | PL.7498     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.464             | 0.000 | 2          | 0            | 1    | 1   |
| 605537       | PL.7498     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.464             | 0.000 | 1          | 0            | 1    | 1   |
| 605523       | PL.7498     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.07         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.464             | 0.000 | 0          | 0            | 1    | 1   |
| 605517       | PL.7498     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.50         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 0.464             | 0.000 | 4          | 1            | 1    | 1   |
| 605535       | PL.7498     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.32         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.464             | 0.000 | 2          | 0            | 1    | 1   |
| 605532       | PL.7498     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.464             | 0.000 | 2          | 0            | 1    | 1   |
| 605533       | PL.7498     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.34         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.464             | 0.000 | 3          | 0            | 1    | 1   |
| 605536       | PL.7498     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.22         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.464             | 0.000 | 2          | 0            | 1    | 1   |
| 605522       | PL.7498     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.464             | 0.000 | 1          | 0            | 1    | 1   |
| 605538       | PL.7498     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.45         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.464             | 0.000 | 3          | 0            | 1    | 1   |
| 605410       | PL.7457     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.402             | 0.000 | 2          | 0            | 1    | 1   |
| 605413       | PL.7457     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.402             | 0.000 | 1          | 0            | 1    | 1   |
| 605412       | PL.7457     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.12         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.402             | 0.000 | 1          | 0            | 1    | 1   |
| 605415       | PL.7457     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.402             | 0.000 | 2          | 0            | 1    | 1   |
| 6054022      | PL.7457     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.402             | 0.000 | 0          | 0            | 1    | 1   |
| 605516       | PL.7457     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.44         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.402             | 0.000 | 3          | 0            | 1    | 1   |
| 605414       | PL.7457     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.402             | 0.000 | 3          | 0            | 1    | 1   |
| PL.17155     | PL.14140    | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.74         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 0.405             | 0.005 | 0          | 0            | 0    | 4   |
| PD.2185      | PL.17155    | C   | fuse8AMP           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.74         | 10       | 5          | 1       | 98         | 0.00      | 0.0               | 0.405             | 0.000 | 0          | 0            | 0    | 4   |
| PL.17156     | PD.2185     | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.74         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 0.414             | 0.009 | 0          | 0            | 0    | 4   |
| 605407       | PL.17156    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.414             | 0.000 | 0          | 0            | 1    | 1   |
| 605406       | PL.17156    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.12         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.414             | 0.000 | 1          | 0            | 1    | 1   |
| 605408       | PL.17156    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.34         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.414             | 0.000 | 3          | 0            | 1    | 1   |
| 605409       | PL.17156    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.21                     | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.414             | 0.000 | 2          | 0            | 1    | 1   |
| PL.14049     | PL.14140    | A   | 336ACSR            | 7.55Y     | 125.8        | 0.01            | 0.17                     | 74.50        | 10       | 550        | 119     | 98         | 0.39      | 0.0               | 0.444             | 0.044 | 0          | 0            | 0    | 92  |
|              |             | B   |                    | 7.53Y     | 125.4        | 0.05            | 0.56                     | 114.86       | 16       | 837        | 219     | 97         |           |                   |                   |       | 0          | 0            | 0    | 151 |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.03            | 0.23                     | 113.73       | 16       | 841        | 171     | 98         |           |                   |                   |       | 0          | 0            | 0    | 168 |
| PL.16961     | PL.14049    | A   | 336ACSR            | 7.55Y     | 125.8        | 0.01            | 0.19                     | 74.50        | 10       | 550        | 119     | 98         | 0.37      | 0.0               | 0.486             | 0.042 | 0          | 0            | 0    | 92  |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.05            | 0.61                     | 113.54       | 16       | 826        | 218     | 97         |           |                   |                   |       | 0          | 0            | 0    | 148 |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.03            | 0.26                     | 113.73       | 16       | 841        | 171     | 98         |           |                   |                   |       | 0          | 0            | 0    | 168 |
| PD.2336-A    | PL.16961    | A   | Closed             | 7.55Y     | 125.8        | 0.00            | 0.19                     | 74.50        | 0        | 550        | 119     | 98         | 0.00      | 0.0               | 0.486             | 0.000 | 0          | 0            | 0    | 92  |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.00            | 0.61                     | 113.54       | 0        | 826        | 217     | 97         |           |                   |                   |       | 0          | 0            | 0    | 148 |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.26                     | 113.73       | 0        | 841        | 170     | 98         |           |                   |                   |       | 0          | 0            | 0    | 168 |
| PD.2336-B    | PD.2336-A   | A   | Closed             | 7.55Y     | 125.8        | 0.00            | 0.19                     | 74.50        | 0        | 550        | 119     | 98         | 0.00      | 0.0               | 0.486             | 0.000 | 0          | 0            | 0    | 92  |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.00            | 0.61                     | 113.54       | 0        | 826        | 217     | 97         |           |                   |                   |       | 0          | 0            | 0    | 148 |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.26                     | 113.73       | 0        | 841        | 170     | 98         |           |                   |                   |       | 0          | 0            | 0    | 168 |
| PL.16962     | PD.2336-B   | A   | 336ACSR            | 7.55Y     | 125.8        | 0.00            | 0.19                     | 74.50        | 10       | 550        | 119     | 98         | 0.05      | 0.0               | 0.491             | 0.005 | 0          | 0            | 0    | 92  |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.01            | 0.61                     | 113.54       | 16       | 826        | 217     | 97         |           |                   |                   |       | 0          | 0            | 0    | 148 |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.26                     | 113.73       | 16       | 841        | 170     | 98         |           |                   |                   |       | 0          | 0            | 0    | 168 |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for elements PL.14050, PL.14051, PL.17384, C.PD.2351, PL.17383, 605618, 605619, PL.14052, 605608, 605609, 605607, PL.21384, PL.21385, 606601, 606639, 606603, 606602, 606622, 606632, 606631, PL.14053, PL.7403, 606502, 606604, 606513, 606633, 606624, PL.7404, 606629, 606607, 606610, 606611, 606626, 606638, 606635, PL.17382.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PD.3642-B, 605610, 605624, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           | mi<br>From<br>Src | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW |            |              | KVAR |
| PL.18958     | PD.3743     | A   | 336ACSR            | 7.54Y     | 125.7        | 0.01            | 0.32                     | 14.37        | 2        | 93         | 55   | 86      | 0.03       | 0.0       | 0.869             | 0.062             | 0  | 0          | 0            | 2    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.02            | 0.84                     | 31.93        | 4        | 220        | 95   | 92      |            |           |                   |                   | 0  | 0          | 0            | 44   |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.39                     | 15.36        | 2        | 101        | 56   | 88      |            |           |                   |                   | 0  | 0          | 0            | 6    |
| PL.13497     | PL.18958    | A   | 336ACSR            | 7.54Y     | 125.7        | 0.00            | 0.32                     | 14.37        | 2        | 93         | 55   | 86      | 0.00       | 0.0       | 0.871             | 0.002             | 0  | 0          | 0            | 2    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.84                     | 31.93        | 4        | 220        | 95   | 92      |            |           |                   |                   | 0  | 0          | 0            | 44   |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.39                     | 15.36        | 2        | 101        | 56   | 88      |            |           |                   |                   | 0  | 0          | 0            | 6    |
| PL.17381     | PL.13497    | C   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.877             | 0.006             | 0  | 0          | 0            | 0    |
| PD.3642-A    | PL.17381    | C   | Open               | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.877             | 0.000             | 0  | 0          | 0            | 0    |
| 607620       | PL.13497    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.26         | 0        | 2          | 1    | 89      | 0.00       | 0.0       | 0.871             | 0.000             | 2  | 1          | 1            | 1    |
| 607629       | PL.13497    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.33         | 0        | 2          | 1    | 89      | 0.00       | 0.0       | 0.871             | 0.000             | 2  | 1          | 1            | 1    |
| 607622       | PL.13497    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 1.51         | 0        | 10         | 5    | 89      | 0.00       | 0.0       | 0.871             | 0.000             | 10 | 5          | 1            | 1    |
| 607602       | PL.13497    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.32                     | 0.23         | 0        | 2          | 1    | 89      | 0.00       | 0.0       | 0.871             | 0.000             | 2  | 1          | 0            | 0    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.23         | 0        | 2          | 1    | 90      |            |           |                   |                   | 2  | 1          | 0            | 0    |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.23         | 0        | 2          | 1    | 90      |            |           |                   |                   | 2  | 1          | 0            | 0    |
| 607619       | PL.13497    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.83         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 0.871             | 0.000             | 6  | 1          | 1            | 1    |
| 607615       | PL.13497    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.57         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 0.871             | 0.000             | 4  | 1          | 1            | 1    |
| PL.17377     | PL.13497    | A   | 2ACSR              | 7.54Y     | 125.7        | 0.00            | 0.32                     | 14.15        | 6        | 92         | 55   | 86      | 0.00       | 0.0       | 0.877             | 0.006             | 0  | 0          | 0            | 1    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.84                     | 11.80        | 5        | 75         | 47   | 85      |            |           |                   |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.40                     | 11.76        | 5        | 75         | 47   | 85      |            |           |                   |                   | 0  | 0          | 0            | 0    |
| C PD.2107    | PL.17377    | A   | fuse6AMP           | 7.54Y     | 125.7        | 0.00            | 0.32                     | 14.15        | 242      | 92         | 55   | 86      | 0.00       | 0.0       | 0.877             | 0.000             | 0  | 0          | 0            | 1    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.84                     | 11.80        | 202      | 75         | 47   | 85      |            |           |                   |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.40                     | 11.76        | 201      | 75         | 47   | 85      |            |           |                   |                   | 0  | 0          | 0            | 0    |
| PL.17378     | PD.2107     | A   | 2ACSR              | 7.54Y     | 125.7        | 0.02            | 0.34                     | 14.15        | 6        | 92         | 55   | 86      | 0.02       | 0.0       | 0.915             | 0.038             | 0  | 0          | 0            | 1    |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.01            | 0.85                     | 11.80        | 5        | 75         | 47   | 85      |            |           |                   |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.01            | 0.41                     | 11.76        | 5        | 75         | 47   | 85      |            |           |                   |                   | 0  | 0          | 0            | 0    |
| PL.28296     | PL.17378    | A   | 2ACSR              | 7.54Y     | 125.6        | 0.06            | 0.39                     | 11.75        | 5        | 75         | 47   | 85      | 0.10       | 0.0       | 1.091             | 0.176             | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.06            | 0.91                     | 11.80        | 5        | 75         | 47   | 85      |            |           |                   |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.06            | 0.46                     | 11.76        | 5        | 75         | 47   | 85      |            |           |                   |                   | 0  | 0          | 0            | 0    |
| PL.28297     | PL.28296    | A   | 2ACSR              | 7.54Y     | 125.6        | 0.01            | 0.40                     | 11.75        | 5        | 75         | 47   | 85      | 0.02       | 0.0       | 1.123             | 0.033             | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 7.50Y     | 125.1        | 0.01            | 0.92                     | 11.80        | 5        | 75         | 47   | 85      |            |           |                   |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.01            | 0.47                     | 11.76        | 5        | 75         | 47   | 85      |            |           |                   |                   | 0  | 0          | 0            | 0    |
| 608618       | PL.28297    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40                     | 11.75        | 0        | 75         | 47   | 85      | 0.00       | 0.0       | 1.123             | 0.000             | 75 | 47         | 0            | 0    |
|              |             | B   |                    | 7.50Y     | 125.1        | 0.00            | 0.92                     | 11.80        | 0        | 75         | 47   | 85      |            |           |                   |                   | 75 | 47         | 0            | 0    |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.47                     | 11.76        | 0        | 75         | 47   | 85      |            |           |                   |                   | 75 | 47         | 0            | 0    |
| 607532       | PL.17378    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 2.41         | 0        | 16         | 8    | 89      | 0.00       | 0.0       | 0.915             | 0.000             | 16 | 8          | 1            | 1    |
| PL.16963     | PL.13497    | B   | 4ACSR              | 7.51Y     | 125.2        | 0.01            | 0.84                     | 20.12        | 10       | 143        | 47   | 95      | 0.01       | 0.0       | 0.877             | 0.005             | 0  | 0          | 0            | 43   |
| PL.38824     | PL.16963    | B   | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.85                     | 20.12        | 10       | 143        | 47   | 95      | 0.01       | 0.0       | 0.887             | 0.010             | 0  | 0          | 0            | 43   |
| PD.6728-A    | PL.38824    | B   | Closed             | 7.51Y     | 125.1        | 0.00            | 0.85                     | 20.12        | 0        | 143        | 47   | 95      | 0.00       | 0.0       | 0.887             | 0.000             | 0  | 0          | 0            | 43   |
| PD.6728-B    | PD.6728-A   | B   | Closed             | 7.51Y     | 125.1        | 0.00            | 0.85                     | 20.12        | 0        | 143        | 47   | 95      | 0.00       | 0.0       | 0.887             | 0.000             | 0  | 0          | 0            | 43   |
| PL.38825     | PD.6728-B   | B   | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.86                     | 20.12        | 10       | 143        | 47   | 95      | 0.01       | 0.0       | 0.896             | 0.009             | 0  | 0          | 0            | 43   |
| 607529       | PL.38825    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.86                     | 0.78         | 0        | 5          | 3    | 86      | 0.00       | 0.0       | 0.896             | 0.000             | 5  | 3          | 1            | 1    |
| 607506       | PL.38825    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.86                     | 0.50         | 0        | 3          | 2    | 83      | 0.00       | 0.0       | 0.896             | 0.000             | 3  | 2          | 1            | 1    |
| 606609       | PL.38825    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.86                     | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 0.896             | 0.000             | 2  | 0          | 1            | 1    |
| 607530       | PL.38825    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.86                     | 3.93         | 0        | 27         | 13   | 90      | 0.00       | 0.0       | 0.896             | 0.000             | 27 | 13         | 1            | 1    |
| 607531       | PL.38825    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.86                     | 3.20         | 0        | 22         | 10   | 91      | 0.00       | 0.0       | 0.896             | 0.000             | 22 | 10         | 1            | 1    |
| PL.38822     | PL.38825    | B   | 4ACSR              | 7.51Y     | 125.1        | 0.02            | 0.88                     | 11.63        | 6        | 85         | 20   | 97      | 0.01       | 0.0       | 0.932             | 0.035             | 0  | 0          | 0            | 38   |
| PL.38823     | PL.38822    | B   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.88                     | 11.63        | 6        | 85         | 20   | 97      | 0.00       | 0.0       | 0.940             | 0.008             | 0  | 0          | 0            | 38   |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |                      |    | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |   | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|----------------------|----|------------|------|---------|------------|-----------|-------------------|-------------------|---|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | mi<br>Length<br>(mi) | KW |            |      |         |            |           |                   | KVAR              |   |            |              |
| 606519       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.10         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 606524       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.04         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| 606525       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| 606523       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.17         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 606522       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| 607504       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| 606504       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.04         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| 606521       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.09         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 607527       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| 607525       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| 607524       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.30         | 0        | 2                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 2                 | 0                 | 1 | 1          |              |
| 606503       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.36         | 0        | 3                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 3                 | 0                 | 1 | 1          |              |
| 606520       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.12         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 606518       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| 607501       | PL.38823    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.29         | 0        | 2                    | 0  | 100        | 0.00 | 0.0     | 0.940      | 0.000     | 2                 | 0                 | 1 | 1          |              |
| PL.7402      | PL.38823    | B   | 4ACSR              | 7.51Y     | 125.1        | 0.02            | 0.91                     | 10.12        | 5        | 74                   | 18 | 97         | 0.01 | 0.0     | 0.991      | 0.051     | 0                 | 0                 | 0 | 28         |              |
| PL.38820     | PL.7402     | B   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.91                     | 4.90         | 3        | 36                   | 8  | 98         | 0.00 | 0.0     | 1.002      | 0.011     | 0                 | 0                 | 0 | 16         |              |
| C PD.6726    | PL.38820    | B   | fuse6AMP           | 7.51Y     | 125.1        | 0.00            | 0.91                     | 4.90         | 84       | 36                   | 8  | 98         | 0.00 | 0.0     | 1.002      | 0.000     | 0                 | 0                 | 0 | 16 C       |              |
| PL.38821     | PD.6726     | B   | 4ACSR              | 7.50Y     | 125.1        | 0.01            | 0.92                     | 4.90         | 3        | 36                   | 8  | 98         | 0.00 | 0.0     | 1.054      | 0.052     | 0                 | 0                 | 0 | 16         |              |
| PL.3721      | PL.38821    | B   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.92                     | 0.38         | 0        | 3                    | 0  | 100        | 0.00 | 0.0     | 1.081      | 0.027     | 0                 | 0                 | 0 | 3          |              |
| 607403       | PL.3721     | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92                     | 0.36         | 0        | 3                    | 0  | 100        | 0.00 | 0.0     | 1.081      | 0.000     | 3                 | 0                 | 1 | 1          |              |
| 607409       | PL.3721     | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92                     | 0.02         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 1.081      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| 607405       | PL.3721     | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 1.081      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| PL.13499     | PL.38821    | B   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.92                     | 4.52         | 2        | 33                   | 8  | 97         | 0.00 | 0.0     | 1.071      | 0.017     | 0                 | 0                 | 0 | 13         |              |
| PL.7400      | PL.13499    | B   | 4ACSR              | 7.50Y     | 125.1        | 0.01            | 0.93                     | 2.42         | 1        | 18                   | 2  | 99         | 0.00 | 0.0     | 1.154      | 0.083     | 0                 | 0                 | 0 | 9          |              |
| PL.7485      | PL.7400     | B   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.93                     | 1.27         | 1        | 9                    | 1  | 99         | 0.00 | 0.0     | 1.192      | 0.038     | 0                 | 0                 | 0 | 6          |              |
| 606303       | PL.7485     | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.12         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 1.192      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 606401       | PL.7485     | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.25         | 0        | 2                    | 0  | 100        | 0.00 | 0.0     | 1.192      | 0.000     | 2                 | 0                 | 1 | 1          |              |
| PL.7486      | PL.7485     | B   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.90         | 0        | 7                    | 1  | 99         | 0.00 | 0.0     | 1.226      | 0.034     | 0                 | 0                 | 0 | 4          |              |
| 606402       | PL.7486     | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.14         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 1.226      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 606308       | PL.7486     | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.52         | 0        | 4                    | 1  | 97         | 0.00 | 0.0     | 1.226      | 0.000     | 4                 | 1                 | 1 | 1          |              |
| 606310       | PL.7486     | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.02         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 1.226      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| 606302       | PL.7486     | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.22         | 0        | 2                    | 0  | 100        | 0.00 | 0.0     | 1.226      | 0.000     | 2                 | 0                 | 1 | 1          |              |
| 607302       | PL.7400     | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.01         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 1.154      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| 607303       | PL.7400     | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.75         | 0        | 6                    | 1  | 99         | 0.00 | 0.0     | 1.154      | 0.000     | 6                 | 1                 | 1 | 1          |              |
| 607304       | PL.7400     | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.39         | 0        | 3                    | 0  | 100        | 0.00 | 0.0     | 1.154      | 0.000     | 3                 | 0                 | 1 | 1          |              |
| 607408       | PL.13499    | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92                     | 0.39         | 0        | 3                    | 0  | 100        | 0.00 | 0.0     | 1.071      | 0.000     | 3                 | 0                 | 1 | 1          |              |
| 607401       | PL.13499    | B   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92                     | 0.60         | 0        | 4                    | 2  | 89         | 0.00 | 0.0     | 1.071      | 0.000     | 4                 | 2                 | 1 | 1          |              |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.



Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data rows for various elements like 607729, 607735, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.7410, 607708, 607812, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.7407, PL.13500, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | -----     |    |      |            |              |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-----------|----|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     | %<br>Loss | KW | KVAR | Cons<br>On | Cons<br>Thru |
| PL.20805     | PL.7406     | C   | 4ACSR              | 7.53Y     | 125.4        | 0.00            | 0.56   | 0.75         | 0        | 5          | 2    | 93      | 0.00       | 0.0               | 1.236                               | 0.028     | 0  | 0    | 0          | 2            |
| 607624       | PL.20805    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 0.33         | 0        | 2          | 1    | 89      | 0.00       | 0.0               | 1.236                               | 0.000     | 2  | 1    | 1          | 1            |
| 607610       | PL.20805    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 0.42         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.236                               | 0.000     | 3  | 1    | 1          | 1            |
| 607623       | PL.20805    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.236                               | 0.000     | 0  | 0    | 0          | 0            |
| PL.45423     | PL.20805    | C   | 4ACSR              | 7.53Y     | 125.4        | 0.00            | 0.56   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.252                               | 0.016     | 0  | 0    | 0          | 0            |
| 6076040      | PL.45423    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.252                               | 0.000     | 0  | 0    | 0          | 0            |
| 607609       | PL.7406     | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 0.05         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.208                               | 0.000     | 0  | 0    | 1          | 1            |
| 608619       | PL.19158    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.152                               | 0.000     | 0  | 0    | 0          | 0            |
| 608609       | PL.19158    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 0.34         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.152                               | 0.000     | 3  | 0    | 1          | 1            |
| 608608       | PL.19158    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 0.32         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.152                               | 0.000     | 2  | 0    | 1          | 1            |
| 608607       | PL.30939    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.125                               | 0.000     | 2  | 0    | 1          | 1            |
| 608617       | PL.30939    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 0.78         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.125                               | 0.000     | 6  | 1    | 1          | 1            |
| 608614       | PL.30939    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.125                               | 0.000     | 0  | 0    | 0          | 0            |
| 609602       | PL.30939    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 0.49         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.125                               | 0.000     | 4  | 1    | 1          | 1            |
| 609601       | PL.30939    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.125                               | 0.000     | 1  | 0    | 1          | 1            |
| 608606       | PL.30939    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.125                               | 0.000     | 2  | 0    | 1          | 1            |
| PL.30938     | PL.19634    | C   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.54   | 17.65        | 9        | 130        | 26   | 98      | 0.00       | 0.0               | 1.077                               | 0.000     | 0  | 0    | 0          | 33           |
| PL.26711     | PL.30938    | C   | 4ACSR              | 7.53Y     | 125.4        | 0.03            | 0.58   | 14.57        | 8        | 109        | 16   | 99      | 0.03       | 0.0               | 1.129                               | 0.052     | 0  | 0    | 0          | 32           |
| PL.26712     | PL.26711    | C   | 4ACSR              | 7.53Y     | 125.4        | 0.00            | 0.58   | 14.57        | 8        | 109        | 16   | 99      | 0.00       | 0.0               | 1.134                               | 0.005     | 0  | 0    | 0          | 32           |
| C.PD.2181    | PL.26712    | C   | fuse6AMP           | 7.53Y     | 125.4        | 0.00            | 0.58   | 14.57        | 249      | 109        | 16   | 99      | 0.00       | 0.0               | 1.134                               | 0.000     | 0  | 0    | 0          | 32 C         |
| PL.27262     | PD.2181     | C   | 4ACSR              | 7.52Y     | 125.4        | 0.01            | 0.59   | 14.57        | 8        | 109        | 16   | 99      | 0.00       | 0.0               | 1.143                               | 0.009     | 0  | 0    | 0          | 32           |
| PL.7425      | PL.27262    | C   | 4ACSR              | 7.52Y     | 125.4        | 0.03            | 0.61   | 14.57        | 8        | 109        | 16   | 99      | 0.02       | 0.0               | 1.185                               | 0.042     | 0  | 0    | 0          | 32           |
| 610601       | PL.7425     | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.61   | 0.44         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.185                               | 0.000     | 3  | 0    | 1          | 1            |
| 610508       | PL.7425     | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.61   | 0.48         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 1.185                               | 0.000     | 4  | 0    | 1          | 1            |
| 610619       | PL.7425     | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.61   | 0.35         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.185                               | 0.000     | 3  | 0    | 1          | 1            |
| 610618       | PL.7425     | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.61   | 0.10         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.185                               | 0.000     | 1  | 0    | 1          | 1            |
| PL.26552     | PL.7425     | C   | 4ACSR              | 7.52Y     | 125.4        | 0.03            | 0.64   | 13.21        | 7        | 98         | 14   | 99      | 0.02       | 0.0               | 1.238                               | 0.052     | 0  | 0    | 0          | 28           |
| PL.3763      | PL.26552    | C   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.64   | 0.39         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.254                               | 0.017     | 0  | 0    | 0          | 1            |
| 610503       | PL.3763     | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.64   | 0.39         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.254                               | 0.000     | 3  | 0    | 1          | 1            |
| PL.26553     | PL.26552    | C   | 4ACSR              | 7.52Y     | 125.3        | 0.01            | 0.65   | 12.82        | 7        | 95         | 14   | 99      | 0.01       | 0.0               | 1.254                               | 0.016     | 0  | 0    | 0          | 27           |
| PL.7423      | PL.26553    | C   | 4ACSR              | 7.52Y     | 125.3        | 0.03            | 0.68   | 12.82        | 7        | 95         | 14   | 99      | 0.02       | 0.0               | 1.305                               | 0.051     | 0  | 0    | 0          | 27           |
| 610505       | PL.7423     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.68   | 0.20         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.305                               | 0.000     | 1  | 0    | 1          | 1            |
| PL.7424      | PL.7423     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.04            | 0.72   | 10.91        | 6        | 81         | 12   | 99      | 0.02       | 0.0               | 1.391                               | 0.086     | 0  | 0    | 0          | 20           |
| PL.26554     | PL.7424     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.01            | 0.73   | 7.91         | 4        | 59         | 9    | 99      | 0.00       | 0.0               | 1.416                               | 0.025     | 0  | 0    | 0          | 14           |
| PL.26555     | PL.26554    | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.73   | 2.72         | 1        | 20         | 3    | 99      | 0.00       | 0.0               | 1.435                               | 0.019     | 0  | 0    | 0          | 4            |
| 610304       | PL.26555    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.13         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.435                               | 0.000     | 1  | 0    | 1          | 1            |
| 610424       | PL.26555    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.435                               | 0.000     | 0  | 0    | 0          | 0            |
| 610402       | PL.26555    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 1.06         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 1.435                               | 0.000     | 8  | 1    | 1          | 1            |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |           |            |           | mi<br>From<br>Src | -----Length<br>(mi) | -----Element----- |      | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|-----------|------------|-----------|-------------------|---------------------|-------------------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                     | KW                | KVAR |            |              |   |
| PL.7446      | PL.26555    | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.73   | 1.53         | 1        | 11         | 2         | 98         | 0.00      | 0.0               | 1.460               | 0.025             | 0    | 0          | 0            | 2 |
| 610427       | PL.7446     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.40         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.460               | 0.000             | 3    | 0          | 1            | 1 |
| PL.7447      | PL.7446     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.73   | 1.13         | 1        | 8          | 1         | 99         | 0.00      | 0.0               | 1.474               | 0.014             | 0    | 0          | 0            | 1 |
| 610303       | PL.7447     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 1.13         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 1.474               | 0.000             | 8    | 1          | 1            | 1 |
| PL.3761      | PL.26554    | C   | 4ACSR              | 7.52Y     | 125.3        | 0.01            | 0.73   | 4.12         | 2        | 31         | 5         | 99         | 0.00      | 0.0               | 1.454               | 0.037             | 0    | 0          | 0            | 8 |
| PL.3762      | PL.3761     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.01            | 0.74   | 1.66         | 1        | 12         | 2         | 99         | 0.00      | 0.0               | 1.524               | 0.070             | 0    | 0          | 0            | 4 |
| 610409       | PL.3762     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.74   | 0.33         | 0        | 2          | 1         | 89         | 0.00      | 0.0               | 1.524               | 0.000             | 2    | 1          | 1            | 1 |
| 610414       | PL.3762     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.74   | 0.37         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.524               | 0.000             | 3    | 0          | 1            | 1 |
| 610426       | PL.3762     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.74   | 0.76         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 1.524               | 0.000             | 6    | 1          | 1            | 1 |
| 610425       | PL.3762     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.74   | 0.22         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.524               | 0.000             | 2    | 0          | 1            | 1 |
| 610405       | PL.3762     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.74   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.524               | 0.000             | 0    | 0          | 0            | 0 |
| 610420       | PL.3761     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 1.57         | 0        | 12         | 2         | 99         | 0.00      | 0.0               | 1.454               | 0.000             | 12   | 2          | 1            | 1 |
| 610416       | PL.3761     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.36         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.454               | 0.000             | 3    | 0          | 1            | 1 |
| 610419       | PL.3761     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.33         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.454               | 0.000             | 2    | 0          | 1            | 1 |
| 610404       | PL.3761     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.21         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.454               | 0.000             | 2    | 0          | 1            | 1 |
| 610406       | PL.26554    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.416               | 0.000             | 0    | 0          | 0            | 0 |
| 610428       | PL.26554    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.20         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 1.416               | 0.000             | 1    | 0          | 1            | 1 |
| 610408       | PL.26554    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73   | 0.87         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 1.416               | 0.000             | 6    | 1          | 1            | 1 |
| 610407       | PL.7424     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72   | 0.03         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.391               | 0.000             | 0    | 0          | 1            | 1 |
| 610412       | PL.7424     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72   | 0.25         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.391               | 0.000             | 2    | 0          | 1            | 1 |
| 610411       | PL.7424     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72   | 0.95         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 1.391               | 0.000             | 7    | 1          | 1            | 1 |
| 610403       | PL.7424     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.391               | 0.000             | 0    | 0          | 0            | 0 |
| 610422       | PL.7424     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72   | 0.35         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.391               | 0.000             | 3    | 0          | 1            | 1 |
| 610415       | PL.7424     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72   | 0.29         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.391               | 0.000             | 2    | 0          | 1            | 1 |
| 610413       | PL.7424     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72   | 1.14         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 1.391               | 0.000             | 8    | 1          | 1            | 1 |
| PL.3759      | PL.7423     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.68   | 1.71         | 1        | 13         | 2         | 99         | 0.00      | 0.0               | 1.340               | 0.035             | 0    | 0          | 0            | 6 |
| PL.3760      | PL.3759     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.68   | 0.05         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.356               | 0.016             | 0    | 0          | 0            | 2 |
| PL.3391      | PL.3760     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.68   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.408               | 0.052             | 0    | 0          | 0            | 0 |
| 6114001      | PL.3391     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.68   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.408               | 0.000             | 0    | 0          | 0            | 0 |
| 6114002      | 6114001     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.68   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.408               | 0.000             | 0    | 0          | 0            | 0 |
| 6114003      | PL.3391     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.68   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.408               | 0.000             | 0    | 0          | 0            | 0 |
| 610506       | PL.3760     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.68   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.356               | 0.000             | 0    | 0          | 1            | 1 |
| 610507       | PL.3760     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.68   | 0.05         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.356               | 0.000             | 0    | 0          | 1            | 1 |
| PL.7418      | PL.3759     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.01            | 0.69   | 1.65         | 1        | 12         | 2         | 99         | 0.00      | 0.0               | 1.412               | 0.073             | 0    | 0          | 0            | 4 |
| 610418       | PL.7418     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.69   | 0.19         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 1.412               | 0.000             | 1    | 0          | 1            | 1 |
| 610423       | PL.7418     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.69   | 0.35         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.412               | 0.000             | 3    | 0          | 1            | 1 |
| 610417       | PL.7418     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.69   | 0.65         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 1.412               | 0.000             | 5    | 1          | 1            | 1 |
| PL.7419      | PL.7418     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.69   | 0.47         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.455               | 0.043             | 0    | 0          | 0            | 1 |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements 610410 through 610612.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| 610709       | PL.17537    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.32   | 1.41         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.157                               | 0.000 | 11   | 1          | 1            | 1    |
| 610607       | PL.17537    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.32   | 0.59         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.157                               | 0.000 | 4    | 1          | 1            | 1    |
| 610602       | PL.17537    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.32   | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.157                               | 0.000 | 1    | 0          | 1            | 1    |
| 610616       | PL.17537    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.32   | 0.51         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.157                               | 0.000 | 4    | 1          | 1            | 1    |
| 610617       | PL.17537    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.32   | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.157                               | 0.000 | 6    | 1          | 1            | 1    |
| 610613       | PL.17537    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.32   | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.157                               | 0.000 | 3    | 0          | 1            | 1    |
| 610614       | PL.17537    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.32   | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.157                               | 0.000 | 1    | 0          | 1            | 1    |
| PL.7420      | PL.17537    | A   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.33   | 1.94         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 1.205                               | 0.049 | 0    | 0          | 0            | 9    |
| PL.3764      | PL.7420     | A   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.33   | 1.61         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 1.242                               | 0.037 | 0    | 0          | 0            | 7    |
| PL.7441      | PL.3764     | A   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.33   | 0.54         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.274                               | 0.031 | 0    | 0          | 0            | 2    |
| 611604       | PL.7441     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33   | 0.17         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.274                               | 0.000 | 1    | 0          | 1            | 1    |
| 611605       | PL.7441     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33   | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.274                               | 0.000 | 3    | 0          | 1            | 1    |
| PL.7442      | PL.7441     | A   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.33   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.274                               | 0.000 | 0    | 0          | 0            | 0    |
| 610615       | PL.3764     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33   | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.242                               | 0.000 | 2    | 0          | 1            | 1    |
| 611601       | PL.3764     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33   | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.242                               | 0.000 | 3    | 0          | 1            | 1    |
| 610603       | PL.3764     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33   | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.242                               | 0.000 | 1    | 0          | 1            | 1    |
| 610605       | PL.3764     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33   | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.242                               | 0.000 | 1    | 0          | 1            | 1    |
| 611603       | PL.3764     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33   | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.242                               | 0.000 | 2    | 0          | 1            | 1    |
| 610604       | PL.7420     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33   | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.205                               | 0.000 | 2    | 0          | 1            | 1    |
| 610610       | PL.7420     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33   | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.205                               | 0.000 | 1    | 0          | 1            | 1    |
| 610611       | PL.7420     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.205                               | 0.000 | 0    | 0          | 0            | 0    |
| 610609       | PL.7420     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.205                               | 0.000 | 0    | 0          | 0            | 0    |
| 610707       | PL.20778    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31   | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.114                               | 0.000 | 2    | 0          | 1            | 1    |
| PL.33237     | PL.33242    | A   | 1/0ACSR            | 7.54Y     | 125.7        | 0.00            | 0.31   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.137                               | 0.049 | 0    | 0          | 0            | 0    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.85   | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0    |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.48   | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0    |
| PD.4358-B    | PL.33237    | A   | Open               | 7.54Y     | 125.7        | 0.00            | 0.31   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.137                               | 0.000 | 0    | 0          | 0            | 0    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.85   | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0    |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.48   | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0    |
| 609712       | PL.21362    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.30   | 0.96         | 0        | 6          | 3       | 89         | 0.00      | 0.0               | 1.025                               | 0.000 | 6    | 3          | 1            | 1    |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.47   | 0.96         | 0        | 6          | 3       | 90         |           |                   |                                     |       | 6    | 3          | 1            | 1    |
| 609714       | PL.21362    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.30   | 2.39         | 0        | 16         | 8       | 89         | 0.00      | 0.0               | 1.025                               | 0.000 | 16   | 8          | 1            | 1    |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.47   | 2.39         | 0        | 16         | 8       | 90         |           |                   |                                     |       | 16   | 8          | 1            | 1    |
| 608717       | PL.19147    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31   | 1.06         | 0        | 7          | 3       | 92         | 0.00      | 0.0               | 0.971                               | 0.000 | 7    | 3          | 1            | 1    |
| PL.17835     | PL.19866    | B   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.85   | 8.60         | 4        | 60         | 23      | 93         | 0.00      | 0.0               | 0.957                               | 0.011 | 0    | 0          | 0            | 16   |
| C PD.2406    | PL.17835    | B   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.85   | 8.60         | 147      | 60         | 23      | 93         | 0.00      | 0.0               | 0.957                               | 0.000 | 0    | 0          | 0            | 16 C |
| PL.17836     | PD.2406     | B   | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.86   | 8.60         | 4        | 60         | 23      | 93         | 0.01      | 0.0               | 0.993                               | 0.036 | 0    | 0          | 0            | 16   |
| PL.13501     | PL.17836    | B   | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.88   | 8.09         | 4        | 57         | 22      | 93         | 0.01      | 0.0               | 1.030                               | 0.037 | 0    | 0          | 0            | 15   |
| PL.13246     | PL.13501    | B   | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.89   | 4.99         | 3        | 34         | 15      | 91         | 0.00      | 0.0               | 1.065                               | 0.035 | 0    | 0          | 0            | 7    |
| 608809       | PL.13246    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.89   | 2.74         | 0        | 18         | 9       | 89         | 0.00      | 0.0               | 1.065                               | 0.000 | 18   | 9          | 1            | 1    |
| 608802       | PL.13246    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.89   | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.065                               | 0.000 | 0    | 0          | 1            | 1    |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.7395      | PL.13246    | B   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.89   | 1.98         | 1        | 14         | 5       | 94         | 0.00      | 0.0               | 1.099                               | 0.034 | 0    | 0          | 0            | 4 |
| 608807       | PL.7395     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.89   | 0.19         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.099                               | 0.000 | 1    | 0          | 1            | 1 |
| 608806       | PL.7395     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.89   | 0.88         | 0        | 6          | 3       | 89         | 0.00      | 0.0               | 1.099                               | 0.000 | 6    | 3          | 1            | 1 |
| 608810       | PL.7395     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.89   | 0.36         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 1.099                               | 0.000 | 2    | 1          | 1            | 1 |
| 608808       | PL.7395     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.89   | 0.57         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.099                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.3758      | PL.13246    | B   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.89   | 0.23         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 1.079                               | 0.014 | 0    | 0          | 0            | 1 |
| 608811       | PL.3758     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.89   | 0.23         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 1.079                               | 0.000 | 2    | 1          | 1            | 1 |
| 608712       | PL.13501    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88   | 0.54         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.030                               | 0.000 | 4    | 1          | 1            | 1 |
| 608716       | PL.13501    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.030                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.7393      | PL.13501    | B   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.88   | 2.58         | 1        | 18         | 7       | 93         | 0.00      | 0.0               | 1.052                               | 0.022 | 0    | 0          | 0            | 7 |
| PL.7394      | PL.7393     | B   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.88   | 1.51         | 1        | 10         | 4       | 93         | 0.00      | 0.0               | 1.074                               | 0.021 | 0    | 0          | 0            | 4 |
| 607715       | PL.7394     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88   | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.074                               | 0.000 | 2    | 0          | 1            | 1 |
| 607726       | PL.7394     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88   | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.074                               | 0.000 | 0    | 0          | 1            | 1 |
| 607722       | PL.7394     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88   | 0.52         | 0        | 3          | 2       | 83         | 0.00      | 0.0               | 1.074                               | 0.000 | 3    | 2          | 1            | 1 |
| 607734       | PL.7394     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.074                               | 0.000 | 0    | 0          | 0            | 0 |
| 607714       | PL.7394     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88   | 0.79         | 0        | 5          | 3       | 86         | 0.00      | 0.0               | 1.074                               | 0.000 | 5    | 3          | 1            | 1 |
| 608711       | PL.7393     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88   | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.052                               | 0.000 | 5    | 1          | 1            | 1 |
| 608727       | PL.7393     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88   | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.052                               | 0.000 | 1    | 0          | 1            | 1 |
| 608710       | PL.7393     | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88   | 0.37         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 1.052                               | 0.000 | 3    | 1          | 1            | 1 |
| 608728       | PL.17836    | B   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.86   | 0.51         | 0        | 3          | 2       | 83         | 0.00      | 0.0               | 0.993                               | 0.000 | 3    | 2          | 1            | 1 |
| 608605       | PL.19865    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84   | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.928                               | 0.000 | 6    | 1          | 1            | 1 |
| 608621       | PL.19865    | C   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.44   | 0.08         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.928                               | 0.000 | 1    | 0          | 1            | 1 |
| 608603       | PL.13500    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31   | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.902                               | 0.000 | 1    | 0          | 1            | 1 |
| 608615       | PL.13500    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.902                               | 0.000 | 0    | 0          | 0            | 0 |
| 608604       | PL.13500    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31   | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.902                               | 0.000 | 2    | 0          | 1            | 1 |
| 608701       | PL.13500    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.902                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.39155     | PL.13500    | A   | 2ACSR              | 7.54Y     | 125.7        | 0.00            | 0.31   | 0.60         | 0        | 4          | 2       | 89         | 0.00      | 0.0               | 0.906                               | 0.004 | 0    | 0          | 0            | 0 |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.84   | 2.34         | 1        | 17         | 5       | 96         |           |                   |                                     |       | 0    | 0          | 0            | 9 |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.00            | 0.43   | 0.60         | 0        | 4          | 2       | 90         |           |                   |                                     |       | 0    | 0          | 0            | 0 |
| PD.7076      | PL.39155    | A   | fuse8AMP           | 7.54Y     | 125.7        | 0.00            | 0.31   | 0.60         | 8        | 4          | 2       | 89         | 0.00      | 0.0               | 0.906                               | 0.000 | 0    | 0          | 0            | 0 |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.84   | 2.34         | 32       | 17         | 5       | 96         |           |                   |                                     |       | 0    | 0          | 0            | 9 |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.00            | 0.43   | 0.60         | 8        | 4          | 2       | 90         |           |                   |                                     |       | 0    | 0          | 0            | 0 |
| PL.39156     | PD.7076     | A   | 2ACSR              | 7.54Y     | 125.7        | 0.00            | 0.31   | 0.60         | 0        | 4          | 2       | 89         | 0.00      | 0.0               | 0.919                               | 0.013 | 0    | 0          | 0            | 0 |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.84   | 2.34         | 1        | 17         | 5       | 96         |           |                   |                                     |       | 0    | 0          | 0            | 9 |
|              |             | C   |                    | 7.53Y     | 125.6        | -0.00           | 0.43   | 0.60         | 0        | 4          | 2       | 90         |           |                   |                                     |       | 0    | 0          | 0            | 0 |
| PL.3714      | PL.39156    | A   | 2ACSR              | 7.54Y     | 125.7        | 0.00            | 0.31   | 0.60         | 0        | 4          | 2       | 89         | 0.00      | 0.0               | 0.931                               | 0.012 | 0    | 0          | 0            | 0 |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.84   | 2.20         | 1        | 16         | 5       | 95         |           |                   |                                     |       | 0    | 0          | 0            | 8 |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.00            | 0.43   | 0.60         | 0        | 4          | 2       | 90         |           |                   |                                     |       | 0    | 0          | 0            | 0 |
| PL.3713      | PL.3714     | A   | 2ACSR              | 7.54Y     | 125.7        | 0.00            | 0.31   | 0.60         | 0        | 4          | 2       | 89         | 0.00      | 0.0               | 0.959                               | 0.028 | 0    | 0          | 0            | 0 |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.84   | 2.20         | 1        | 16         | 5       | 95         |           |                   |                                     |       | 0    | 0          | 0            | 8 |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.00            | 0.43   | 0.60         | 0        | 4          | 2       | 90         |           |                   |                                     |       | 0    | 0          | 0            | 0 |
| 608720       | PL.3713     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84   | 0.38         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 0.959                               | 0.000 | 3    | 1          | 1            | 1 |



Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |   |
| 608718       | PL.3713     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.60         | 0        | 4          | 2         | 89         | 0.00              | 0.0               | 0.959          | 0.000      | 4            | 2  | 0    | 0 |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.61         | 0        | 4          | 2         | 90         |                   |                   |                |            | 4            | 2  | 0    | 0 |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.00            | 0.43                     | 0.60         | 0        | 4          | 2         | 90         |                   |                   |                |            | 4            | 2  | 0    | 0 |
| 608724       | PL.3713     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.14         | 0        | 1          | 0         | 100        | 0.00              | 0.0               | 0.959          | 0.000      | 1            | 0  | 1    | 1 |
| 608725       | PL.3713     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.16         | 0        | 1          | 0         | 100        | 0.00              | 0.0               | 0.959          | 0.000      | 1            | 0  | 1    | 1 |
| 608726       | PL.3713     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.42         | 0        | 3          | 0         | 100        | 0.00              | 0.0               | 0.959          | 0.000      | 3            | 0  | 1    | 1 |
| 6087029      | PL.3713     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.18         | 0        | 1          | 1         | 71         | 0.00              | 0.0               | 0.959          | 0.000      | 1            | 1  | 1    | 1 |
| 608722       | PL.3713     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.16         | 0        | 1          | 0         | 100        | 0.00              | 0.0               | 0.959          | 0.000      | 1            | 0  | 1    | 1 |
| 608721       | PL.3713     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.10         | 0        | 1          | 0         | 100        | 0.00              | 0.0               | 0.959          | 0.000      | 1            | 0  | 1    | 1 |
| 608723       | PL.3713     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.06         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 0.959          | 0.000      | 0            | 0  | 1    | 1 |
| 608719       | PL.39156    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 0.919          | 0.000      | 0            | 0  | 0    | 0 |
| 608714       | PL.39156    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.84                     | 0.14         | 0        | 1          | 0         | 100        | 0.00              | 0.0               | 0.919          | 0.000      | 1            | 0  | 1    | 1 |
| PL.3749      | PL.7407     | A   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 0.896          | 0.027      | 0            | 0  | 0    | 0 |
| 6077039      | PL.3749     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 0.896          | 0.000      | 0            | 0  | 0    | 0 |
| 607712       | PL.3749     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 0.896          | 0.000      | 0            | 0  | 0    | 0 |
| PL.13796     | PL.7407     | A   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 0.870          | 0.002      | 0            | 0  | 0    | 0 |
| PD.2344-A    | PL.13796    | A   | Closed             | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 0.870          | 0.000      | 0            | 0  | 0    | 0 |
| PD.2344-B    | PD.2344-A   | A   | Closed             | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 0.870          | 0.000      | 0            | 0  | 0    | 0 |
| 608601       | PL.7407     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.83                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 0.869          | 0.000      | 0            | 0  | 0    | 0 |
| 607612       | PL.7407     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.83                     | 0.09         | 0        | 1          | 0         | 100        | 0.00              | 0.0               | 0.869          | 0.000      | 1            | 0  | 1    | 1 |
| 607701       | PL.17380    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.82                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 0.841          | 0.000      | 0            | 0  | 0    | 0 |
| 607719       | PL.17380    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.82                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 0.841          | 0.000      | 0            | 0  | 0    | 0 |
| PL.3755      | PL.13495    | A   | 2ACSR              | 7.54Y     | 125.7        | 0.00            | 0.31                     | 3.70         | 1        | 24         | 15        | 85         | 0.00              | 0.0               | 0.834          | 0.020      | 0            | 0  | 0    | 0 |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82                     | 3.71         | 1        | 24         | 15        | 85         |                   |                   |                |            | 0            | 0  | 0    | 0 |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.40                     | 3.70         | 1        | 24         | 15        | 85         |                   |                   |                |            | 0            | 0  | 0    | 0 |
| 607630       | PL.3755     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 3.70         | 0        | 24         | 15        | 85         | 0.00              | 0.0               | 0.834          | 0.000      | 24           | 15 | 0    | 0 |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82                     | 3.71         | 0        | 24         | 15        | 85         |                   |                   |                |            | 24           | 15 | 0    | 0 |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.40                     | 3.70         | 0        | 24         | 15        | 85         |                   |                   |                |            | 24           | 15 | 0    | 0 |
| 607614       | PL.3755     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 0.834          | 0.000      | 0            | 0  | 0    | 0 |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82                     | 0.00         | 0        | 0          | 0         | 100        |                   |                   |                |            | 0            | 0  | 0    | 0 |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.40                     | 0.00         | 0        | 0          | 0         | 100        |                   |                   |                |            | 0            | 0  | 0    | 0 |
| 606627       | PL.21169    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.29                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0               | 0.769          | 0.000      | 0            | 0  | 0    | 0 |
| 606628       | PL.21169    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.29                     | 0.28         | 0        | 2          | 0         | 100        | 0.00              | 0.0               | 0.769          | 0.000      | 2            | 0  | 1    | 1 |
| 606613       | PL.21169    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 1.37         | 0        | 10         | 1         | 100        | 0.00              | 0.0               | 0.769          | 0.000      | 10           | 1  | 1    | 1 |
| 606612       | PL.21169    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.38                     | 0.27         | 0        | 2          | 0         | 100        | 0.00              | 0.0               | 0.769          | 0.000      | 2            | 0  | 1    | 1 |
| 605626       | PL.28818    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.43         | 0        | 3          | 0         | 100        | 0.00              | 0.0               | 0.693          | 0.000      | 3            | 0  | 1    | 1 |
| 605615       | PL.28818    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.29         | 0        | 2          | 0         | 100        | 0.00              | 0.0               | 0.693          | 0.000      | 2            | 0  | 1    | 1 |
| 606640       | PL.28818    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.76         | 0        | 6          | 1         | 99         | 0.00              | 0.0               | 0.693          | 0.000      | 6            | 1  | 1    | 1 |
| 606618       | PL.28818    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.09         | 0        | 1          | 0         | 100        | 0.00              | 0.0               | 0.693          | 0.000      | 1            | 0  | 1    | 1 |
| 606615       | PL.28818    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.18         | 0        | 1          | 0         | 100        | 0.00              | 0.0               | 0.693          | 0.000      | 1            | 0  | 1    | 1 |
| 606616       | PL.28818    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 1.17         | 0        | 9          | 1         | 99         | 0.00              | 0.0               | 0.693          | 0.000      | 9            | 1  | 1    | 1 |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Units Displayed In Volts |             |     |                    |           |              |                 |               |              |          |            |      |         |            |           |                   |                   |    |      |            |              |   |
|--------------------------|-------------|-----|--------------------|-----------|--------------|-----------------|---------------|--------------|----------|------------|------|---------|------------|-----------|-------------------|-------------------|----|------|------------|--------------|---|
| Element Name             | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |    |      |            |              |   |
|                          |             |     |                    |           |              |                 |               |              |          |            |      |         |            |           |                   | Length<br>(mi)    | KW | KVAR | Cons<br>On | Cons<br>Thru |   |
| PL.37174                 | PL.37173    | A   | 336ACSR            | 7.54Y     | 125.7        | 0.00            | 0.25          | 12.99        | 2        | 97         | -16  | -99     | 0.00       | 0.0       | 0.656             | 0.001             | 0  | 0    | 0          | 4            |   |
|                          |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.75          | 12.57        | 2        | 93         | -17  | -98     |            |           |                   |                   | 0  | 0    | 0          | 2            |   |
|                          |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.34          | 13.00        | 2        | 97         | -15  | -99     |            |           |                   |                   | 0  | 0    | 0          | 3            |   |
| PL.19378                 | PL.37174    | A   | 4ACSR              | 7.54Y     | 125.7        | 0.01            | 0.27          | 12.99        | 7        | 97         | -16  | -99     | 0.03       | 0.0       | 0.685             | 0.029             | 0  | 0    | 0          | 4            |   |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.01            | 0.76          | 12.57        | 6        | 93         | -17  | -98     |            |           |                   |                   | 0  | 0    | 0          | 2            |   |
|                          |             | C   |                    | 7.54Y     | 125.7        | 0.01            | 0.35          | 13.00        | 7        | 97         | -15  | -99     |            |           |                   |                   | 0  | 0    | 0          | 3            |   |
| P CP.20<br>P<br>P        | PL.19378    | A   | Cap (150)          | 7.54Y     | 125.7        | 0.00            | 0.27          | -7.28        | 0        | 0          | -55  | 0       | 0.00       | 0.0       | 0.685             | 0.000             | 0  | 0    | 0          | 0            | P |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.76          | -7.25        | 0        | 0          | -54  | 0       |            |           |                   |                   | 0  | 0    | 0          | 0            | P |
|                          |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.35          | -7.27        | 0        | 0          | -55  | 0       |            |           |                   |                   | 0  | 0    | 0          | 0            | P |
| PL.19379                 | PL.19378    | A   | 4ACSR              | 7.54Y     | 125.7        | 0.03            | 0.29          | 13.83        | 7        | 97         | 39   | 93      | 0.06       | 0.0       | 0.737             | 0.052             | 0  | 0    | 0          | 4            |   |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.03            | 0.78          | 13.35        | 7        | 93         | 38   | 93      |            |           |                   |                   | 0  | 0    | 0          | 2            |   |
|                          |             | C   |                    | 7.54Y     | 125.6        | 0.03            | 0.38          | 13.88        | 7        | 97         | 40   | 93      |            |           |                   |                   | 0  | 0    | 0          | 3            |   |
| PL.17394                 | PL.19379    | A   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.29          | 1.81         | 1        | 12         | 7    | 86      | 0.00       | 0.0       | 0.742             | 0.006             | 0  | 0    | 0          | 2            |   |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.78          | 1.63         | 1        | 10         | 6    | 85      |            |           |                   |                   | 0  | 0    | 0          | 1            |   |
|                          |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38          | 2.19         | 1        | 14         | 8    | 86      |            |           |                   |                   | 0  | 0    | 0          | 2            |   |
| PD.2411                  | PL.17394    | A   | fuse8AMP           | 7.54Y     | 125.7        | 0.00            | 0.29          | 1.81         | 25       | 12         | 7    | 86      | 0.00       | 0.0       | 0.742             | 0.000             | 0  | 0    | 0          | 2            |   |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.78          | 1.63         | 22       | 10         | 6    | 85      |            |           |                   |                   | 0  | 0    | 0          | 1            |   |
|                          |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38          | 2.19         | 30       | 14         | 8    | 86      |            |           |                   |                   | 0  | 0    | 0          | 2            |   |
| PL.17395                 | PD.2411     | A   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.30          | 1.81         | 1        | 12         | 7    | 86      | 0.00       | 0.0       | 0.770             | 0.028             | 0  | 0    | 0          | 2            |   |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.79          | 1.63         | 1        | 10         | 6    | 85      |            |           |                   |                   | 0  | 0    | 0          | 1            |   |
|                          |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38          | 2.19         | 1        | 14         | 8    | 86      |            |           |                   |                   | 0  | 0    | 0          | 2            |   |
| 605740                   | PL.17395    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.79          | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.770             | 0.000             | 0  | 0    | 0          | 0            |   |
| 606713                   | PL.17395    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.30          | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.770             | 0.000             | 0  | 0    | 0          | 0            |   |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.79          | 0.00         | 0        | 0          | 0    | 90      |            |           |                   |                   | 0  | 0    | 0          | 0            |   |
|                          |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38          | 0.00         | 0        | 0          | 0    | 90      |            |           |                   |                   | 0  | 0    | 0          | 0            |   |
| 606715                   | PL.17395    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.38          | 0.57         | 0        | 4          | 2    | 89      | 0.00       | 0.0       | 0.770             | 0.000             | 4  | 2    | 1          | 1            |   |
| 606701                   | PL.17395    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.30          | 0.20         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 0.770             | 0.000             | 2  | 0    | 1          | 1            |   |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.79          | 1.63         | 0        | 10         | 6    | 85      |            |           |                   |                   | 10 | 6    | 0          | 0            |   |
|                          |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.38          | 1.62         | 0        | 10         | 6    | 85      |            |           |                   |                   | 10 | 6    | 0          | 0            |   |
| PL.8344                  | PL.19379    | A   | 4ACSR              | 7.54Y     | 125.7        | 0.02            | 0.31          | 12.04        | 6        | 85         | 32   | 94      | 0.04       | 0.0       | 0.776             | 0.039             | 0  | 0    | 0          | 3            |   |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.02            | 0.80          | 11.75        | 6        | 83         | 31   | 93      |            |           |                   |                   | 0  | 0    | 0          | 2            |   |
|                          |             | C   |                    | 7.54Y     | 125.6        | 0.02            | 0.40          | 11.71        | 6        | 83         | 31   | 93      |            |           |                   |                   | 0  | 0    | 0          | 2            |   |
| 606708                   | PL.8344     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31          | 0.33         | 0        | 2          | 1    | 89      | 0.00       | 0.0       | 0.776             | 0.000             | 2  | 1    | 1          | 1            |   |
| 606716                   | PL.8344     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80          | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.776             | 0.000             | 0  | 0    | 0          | 0            |   |
| 605726                   | PL.8344     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31          | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.776             | 0.000             | 0  | 0    | 0          | 0            |   |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.80          | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                   | 0  | 0    | 0          | 0            |   |
|                          |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.40          | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                   | 0  | 0    | 0          | 0            |   |
| 606711                   | PL.8344     | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40          | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.776             | 0.000             | 0  | 0    | 0          | 0            |   |
| 605719                   | PL.8344     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31          | 4.37         | 0        | 31         | 11   | 94      | 0.00       | 0.0       | 0.776             | 0.000             | 31 | 11   | 0          | 0            |   |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.80          | 4.39         | 0        | 31         | 11   | 94      |            |           |                   |                   | 31 | 11   | 0          | 0            |   |
|                          |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.40          | 4.38         | 0        | 31         | 11   | 94      |            |           |                   |                   | 31 | 11   | 0          | 0            |   |
| PL.8345                  | PL.8344     | A   | 4ACSR              | 7.54Y     | 125.7        | 0.01            | 0.33          | 7.33         | 4        | 52         | 20   | 93      | 0.02       | 0.0       | 0.824             | 0.048             | 0  | 0    | 0          | 1            |   |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.01            | 0.82          | 7.36         | 4        | 52         | 20   | 93      |            |           |                   |                   | 0  | 0    | 0          | 1            |   |
|                          |             | C   |                    | 7.54Y     | 125.6        | 0.01            | 0.41          | 7.34         | 4        | 52         | 20   | 93      |            |           |                   |                   | 0  | 0    | 0          | 1            |   |
| PL.20775                 | PL.8345     | A   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.33          | 5.63         | 3        | 40         | 14   | 94      | 0.00       | 0.0       | 0.834             | 0.010             | 0  | 0    | 0          | 0            |   |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82          | 5.63         | 3        | 40         | 14   | 95      |            |           |                   |                   | 0  | 0    | 0          | 0            |   |
|                          |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.41          | 5.63         | 3        | 40         | 14   | 95      |            |           |                   |                   | 0  | 0    | 0          | 0            |   |
| 606807                   | PL.20775    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33          | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.834             | 0.000             | 0  | 0    | 0          | 0            |   |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82          | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                   | 0  | 0    | 0          | 0            |   |
|                          |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.41          | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                   | 0  | 0    | 0          | 0            |   |
| 606811                   | PL.20775    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33          | 5.63         | 0        | 40         | 14   | 94      | 0.00       | 0.0       | 0.834             | 0.000             | 40 | 14   | 0          | 0            |   |
|                          |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82          | 5.65         | 0        | 40         | 14   | 95      |            |           |                   |                   | 40 | 14   | 0          | 0            |   |
|                          |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.41          | 5.63         | 0        | 40         | 14   | 95      |            |           |                   |                   | 40 | 14   | 0          | 0            |   |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW |            |              | KVAR |
| PL.20776     | PL.20775    | A   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.840          | 0.006             | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |                   | 0  | 0          | 0            | 0    |
| 606810       | PL.8345     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.81         | 0        | 5          | 3    | 86      | 0.00       | 0.0               | 0.824          | 0.000             | 5  | 3          | 0            | 0    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82                     | 0.81         | 0        | 5          | 3    | 90      |            |                   |                |                   | 5  | 3          | 0            | 0    |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.41                     | 0.81         | 0        | 5          | 3    | 90      |            |                   |                |                   | 5  | 3          | 0            | 0    |
| 606805       | PL.8345     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.824          | 0.000             | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |                   | 0  | 0          | 0            | 0    |
| 606809       | PL.8345     | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.92         | 0        | 6          | 4    | 83      | 0.00       | 0.0               | 0.824          | 0.000             | 6  | 4          | 0            | 0    |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82                     | 0.92         | 0        | 6          | 4    | 85      |            |                   |                |                   | 6  | 4          | 0            | 0    |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.41                     | 0.92         | 0        | 6          | 4    | 85      |            |                   |                |                   | 6  | 4          | 0            | 0    |
| PL.18358     | PL.14051    | A   | 336ACSR            | 7.55Y     | 125.8        | 0.00            | 0.23                     | 11.82        | 2        | 83         | 34   | 93      | 0.03       | 0.0               | 0.605          | 0.027             | 0  | 0          | 0            | 12   |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.02            | 0.72                     | 45.05        | 6        | 319        | 115  | 94      |            |                   |                |                   | 0  | 0          | 0            | 59   |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.31                     | 28.78        | 4        | 210        | 55   | 97      |            |                   |                |                   | 0  | 0          | 0            | 62   |
| PD.3565      | PL.18358    | A   | VWVE               | 7.55Y     | 125.8        | 0.00            | 0.23                     | 11.82        | 0        | 83         | 34   | 93      | 0.00       | 0.0               | 0.605          | 0.000             | 0  | 0          | 0            | 12   |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.72                     | 45.05        | 0        | 319        | 115  | 94      |            |                   |                |                   | 0  | 0          | 0            | 59   |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.31                     | 28.78        | 0        | 210        | 55   | 97      |            |                   |                |                   | 0  | 0          | 0            | 62   |
| PL.18359     | PD.3565     | A   | 336ACSR            | 7.55Y     | 125.8        | 0.00            | 0.23                     | 11.82        | 2        | 83         | 34   | 93      | 0.00       | 0.0               | 0.610          | 0.005             | 0  | 0          | 0            | 12   |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.73                     | 45.05        | 6        | 319        | 115  | 94      |            |                   |                |                   | 0  | 0          | 0            | 59   |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.31                     | 28.78        | 4        | 210        | 55   | 97      |            |                   |                |                   | 0  | 0          | 0            | 62   |
| 605603       | PL.18359    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.610          | 0.000             | 0  | 0          | 0            | 0    |
| 604628       | PL.18359    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73                     | 0.99         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 0.610          | 0.000             | 7  | 1          | 1            | 1    |
| 604604       | PL.18359    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.610          | 0.000             | 0  | 0          | 1            | 1    |
| 604617       | PL.18359    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.610          | 0.000             | 0  | 0          | 0            | 0    |
| 605604       | PL.18359    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.610          | 0.000             | 2  | 0          | 1            | 1    |
| 604629       | PL.18359    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73                     | 0.42         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 0.610          | 0.000             | 3  | 0          | 1            | 1    |
| 605623       | PL.18359    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.610          | 0.000             | 0  | 0          | 0            | 1    |
| 605601       | 605623      | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.610          | 0.000             | 2  | 0          | 1            | 1    |
| 604634       | PL.18359    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.12         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 0.610          | 0.000             | 1  | 0          | 1            | 1    |
| PL.26579     | PL.18359    | A   | 336ACSR            | 7.55Y     | 125.8        | 0.00            | 0.23                     | 11.64        | 2        | 81         | 34   | 92      | 0.03       | 0.0               | 0.641          | 0.030             | 0  | 0          | 0            | 10   |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.02            | 0.74                     | 43.67        | 6        | 308        | 113  | 94      |            |                   |                |                   | 0  | 0          | 0            | 57   |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.31                     | 28.17        | 4        | 205        | 54   | 97      |            |                   |                |                   | 0  | 0          | 0            | 60   |
| PL.26576     | PL.26579    | C   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.31                     | 2.62         | 1        | 20         | 3    | 99      | 0.00       | 0.0               | 0.678          | 0.037             | 0  | 0          | 0            | 11   |
| PL.26577     | PL.26576    | C   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.89         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 0.694          | 0.016             | 0  | 0          | 0            | 2    |
| 605747       | PL.26577    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.18         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 0.694          | 0.000             | 1  | 0          | 1            | 1    |
| 605606       | PL.26577    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.71         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 0.694          | 0.000             | 5  | 1          | 1            | 1    |
| PL.26578     | PL.26577    | C   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.708          | 0.014             | 0  | 0          | 0            | 0    |
| PD.2350-B    | PL.26578    | C   | Open               | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.708          | 0.000             | 0  | 0          | 0            | 0    |
| 604632       | PL.26576    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.14         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 0.678          | 0.000             | 1  | 0          | 1            | 1    |
| 604614       | PL.26576    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.678          | 0.000             | 2  | 0          | 1            | 1    |
| 604638       | PL.26576    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.07         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 0.678          | 0.000             | 1  | 0          | 1            | 1    |
| 604639       | PL.26576    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 0.678          | 0.000             | 1  | 0          | 1            | 1    |
| 604626       | PL.26576    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.678          | 0.000             | 2  | 0          | 1            | 1    |
| 604637       | PL.26576    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 0.678          | 0.000             | 2  | 0          | 1            | 1    |
| 604621       | PL.26576    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.678          | 0.000             | 0  | 0          | 0            | 0    |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 604615, 604607, 605616, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and '-Base Voltage:120.0-'.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 603609, 603610, 603627, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.20765     | PL.7464     | A   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.24   | 3.38         | 2        | 22         | 13   | 86      | 0.00       | 0.0               | 0.910                               | 0.026 | 0    | 0          | 0            | 1         |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82   | 4.37         | 2        | 29         | 16   | 87      |            |                   |                                     |       | 0    | 0          | 0            | 3         |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.32   | 3.38         | 2        | 22         | 13   | 87      |            |                   |                                     |       | 0    | 0          | 0            | 1         |
| PL.28288     | PL.20765    | A   | 336ACSR            | 7.55Y     | 125.8        | 0.00            | 0.24   | 0.98         | 0        | 7          | 3    | 92      | 0.00       | 0.0               | 0.948                               | 0.037 | 0    | 0          | 0            | 0         |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82   | 1.96         | 0        | 13         | 6    | 90      |            |                   |                                     |       | 0    | 0          | 0            | 2         |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.32   | 0.98         | 0        | 7          | 3    | 90      |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| 602627       | PL.28288    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.82   | 0.18         | 0        | 1          | 1    | 71      | 0.00       | 0.0               | 0.948                               | 0.000 | 1    | 1          | 1            | 1         |
| 602601       | PL.28288    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.82   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.948                               | 0.000 | 0    | 0          | 0            | 0         |
| 602618       | PL.28288    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.82   | 0.80         | 0        | 5          | 3    | 86      | 0.00       | 0.0               | 0.948                               | 0.000 | 5    | 3          | 1            | 1         |
| PL.28289     | PL.28288    | A   | 336ACSR            | 7.55Y     | 125.8        | 0.00            | 0.24   | 0.98         | 0        | 7          | 3    | 92      | 0.00       | 0.0               | 0.957                               | 0.010 | 0    | 0          | 0            | 0         |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82   | 0.98         | 0        | 7          | 3    | 90      |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.32   | 0.98         | 0        | 7          | 3    | 90      |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| 602620       | PL.28289    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.24   | 0.98         | 0        | 7          | 3    | 92      | 0.00       | 0.0               | 0.957                               | 0.000 | 7    | 3          | 0            | 0         |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82   | 0.98         | 0        | 7          | 3    | 90      |            |                   |                                     |       | 7    | 3          | 0            | 0         |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.32   | 0.98         | 0        | 7          | 3    | 90      |            |                   |                                     |       | 7    | 3          | 0            | 0         |
| PL.44655     | PL.28289    | A   | 2ACSR              | 7.55Y     | 125.8        | 0.00            | 0.24   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.012                               | 0.055 | 0    | 0          | 0            | 0         |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.32   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| 6026035      | PL.44655    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.24   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.012                               | 0.000 | 0    | 0          | 0            | 0         |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.32   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| 602724       | PL.20765    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.24   | 2.41         | 0        | 15         | 10   | 83      | 0.00       | 0.0               | 0.910                               | 0.000 | 15   | 10         | 0            | 0         |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.00            | 0.82   | 2.42         | 0        | 15         | 10   | 85      |            |                   |                                     |       | 15   | 10         | 0            | 0         |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.32   | 2.41         | 0        | 15         | 10   | 85      |            |                   |                                     |       | 15   | 10         | 0            | 0         |
| 602609       | PL.17386    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.81   | 1.27         | 0        | 9          | 4    | 91      | 0.00       | 0.0               | 0.819                               | 0.000 | 9    | 4          | 1            | 1         |
| 6027042      | PL.17386    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.81   | 0.67         | 0        | 5          | 2    | 93      | 0.00       | 0.0               | 0.819                               | 0.000 | 5    | 2          | 1            | 1         |
| 6027044      | PL.17386    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.81   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.819                               | 0.000 | 0    | 0          | 0            | 0         |
| 6027045      | 6027044     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.81   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.819                               | 0.000 | 0    | 0          | 0            | 0         |
| 6027043      | PL.17386    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.81   | 0.27         | 0        | 2          | 1    | 89      | 0.00       | 0.0               | 0.819                               | 0.000 | 2    | 1          | 1            | 1         |
| 602705       | PL.17386    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.81   | 0.63         | 0        | 4          | 2    | 89      | 0.00       | 0.0               | 0.819                               | 0.000 | 4    | 2          | 1            | 1         |
| 602740       | PL.17386    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.81   | 1.07         | 0        | 7          | 3    | 92      | 0.00       | 0.0               | 0.819                               | 0.000 | 7    | 3          | 1            | 1         |
| 603762       | PL.17386    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.81   | 0.57         | 0        | 4          | 2    | 89      | 0.00       | 0.0               | 0.819                               | 0.000 | 4    | 2          | 1            | 1         |
| PL.17387     | PL.19660    | C   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.32   | 13.91        | 7        | 104        | 15   | 99      | 0.00       | 0.0               | 0.780                               | 0.005 | 0    | 0          | 0            | 34        |
| C PD.2409    | PL.17387    | C   | fuse6AMP           | 7.54Y     | 125.7        | 0.00            | 0.32   | 13.91        | 238      | 104        | 15   | 99      | 0.00       | 0.0               | 0.780                               | 0.000 | 0    | 0          | 0            | 34        |
| PL.17388     | PD.2409     | C   | 4ACSR              | 7.54Y     | 125.7        | 0.02            | 0.34   | 13.91        | 7        | 104        | 15   | 99      | 0.02       | 0.0               | 0.819                               | 0.039 | 0    | 0          | 0            | 34        |
| PL.26463     | PL.17388    | C   | 4ACSR              | 7.54Y     | 125.7        | 0.01            | 0.35   | 10.46        | 5        | 78         | 11   | 99      | 0.00       | 0.0               | 0.834                               | 0.015 | 0    | 0          | 0            | 22        |
| PL.3734      | PL.26463    | C   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.35   | 4.03         | 2        | 30         | 4    | 99      | 0.00       | 0.0               | 0.851                               | 0.016 | 0    | 0          | 0            | 5         |
| 603730       | PL.3734     | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.35   | 0.96         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 0.851                               | 0.000 | 7    | 1          | 1            | 1         |
| 603757       | PL.3734     | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.35   | 1.23         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 0.851                               | 0.000 | 9    | 1          | 1            | 1         |
| 603753       | PL.3734     | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.35   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.851                               | 0.000 | 0    | 0          | 0            | 0         |
| 603729       | PL.3734     | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.35   | 0.87         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 0.851                               | 0.000 | 7    | 1          | 1            | 1         |
| 603732       | PL.3734     | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.35   | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 0.851                               | 0.000 | 1    | 0          | 1            | 1         |
| 603744       | PL.3734     | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.35   | 0.82         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 0.851                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.26464     | PL.26463    | C   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.36   | 6.43         | 3        | 48         | 7    | 99      | 0.00       | 0.0               | 0.876                               | 0.041 | 0    | 0          | 0            | 17        |
| PL.7465      | PL.26464    | C   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.37   | 4.46         | 2        | 33         | 5    | 99      | 0.00       | 0.0               | 0.930                               | 0.055 | 0    | 0          | 0            | 9         |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Length<br>(mi) | -----Element----- |      | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|---------------------|-------------------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                     | KW                | KVAR |            |              |   |
| 603724       | PL.7465     | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 0.30         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 0.930               | 0.000             | 2    | 0          | 1            | 1 |
| 603722       | PL.7465     | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 0.24         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 0.930               | 0.000             | 2    | 0          | 1            | 1 |
| 603706       | PL.7465     | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 0.16         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.930               | 0.000             | 1    | 0          | 1            | 1 |
| 603723       | PL.7465     | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 0.87         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 0.930               | 0.000             | 7    | 1          | 1            | 1 |
| 603721       | PL.7465     | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 0.40         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 0.930               | 0.000             | 3    | 0          | 1            | 1 |
| 603733       | PL.7465     | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 0.26         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 0.930               | 0.000             | 2    | 0          | 1            | 1 |
| 603711       | PL.7465     | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 1.03         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 0.930               | 0.000             | 8    | 1          | 1            | 1 |
| 603727       | PL.7465     | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 0.26         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 0.930               | 0.000             | 2    | 0          | 1            | 1 |
| 603726       | PL.7465     | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.930               | 0.000             | 0    | 0          | 0            | 0 |
| 603725       | PL.7465     | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 0.93         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 0.930               | 0.000             | 7    | 1          | 1            | 1 |
| 603720       | PL.26464    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.876               | 0.000             | 0    | 0          | 0            | 0 |
| 603728       | PL.26464    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.17         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.876               | 0.000             | 1    | 0          | 1            | 1 |
| 603712       | PL.26464    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.876               | 0.000             | 0    | 0          | 1            | 1 |
| 603714       | PL.26464    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.06         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.876               | 0.000             | 0    | 0          | 1            | 1 |
| 603735       | PL.26464    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 1.06         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 0.876               | 0.000             | 8    | 1          | 1            | 1 |
| 603705       | PL.26464    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.13         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.876               | 0.000             | 1    | 0          | 1            | 1 |
| 603717       | PL.26464    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.876               | 0.000             | 0    | 0          | 1            | 1 |
| 603716       | PL.26464    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.33         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 0.876               | 0.000             | 2    | 0          | 1            | 1 |
| 603758       | PL.26464    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.876               | 0.000             | 0    | 0          | 0            | 0 |
| 603731       | PL.26464    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.23         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 0.876               | 0.000             | 2    | 0          | 1            | 1 |
| 603703       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.819               | 0.000             | 0    | 0          | 1            | 1 |
| 603760       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.06         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.819               | 0.000             | 0    | 0          | 1            | 1 |
| 603739       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.88         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 0.819               | 0.000             | 7    | 1          | 1            | 1 |
| 603742       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.21         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 0.819               | 0.000             | 2    | 0          | 1            | 1 |
| 603745       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.84         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 0.819               | 0.000             | 6    | 1          | 1            | 1 |
| 603704       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.819               | 0.000             | 0    | 0          | 0            | 0 |
| 603759       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.11         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.819               | 0.000             | 1    | 0          | 1            | 1 |
| 603743       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.819               | 0.000             | 0    | 0          | 0            | 0 |
| 603741       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.819               | 0.000             | 0    | 0          | 0            | 0 |
| 603734       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.819               | 0.000             | 0    | 0          | 0            | 0 |
| 603736       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.819               | 0.000             | 0    | 0          | 0            | 0 |
| 603708       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.17         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.819               | 0.000             | 1    | 0          | 1            | 1 |
| 603750       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.36         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 0.819               | 0.000             | 3    | 0          | 1            | 1 |
| 603738       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.14         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.819               | 0.000             | 1    | 0          | 1            | 1 |
| 603754       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.42         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 0.819               | 0.000             | 3    | 0          | 1            | 1 |
| 603761       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.15         | 0        | 1          | 1         | 71         | 0.00      | 0.0               | 0.819               | 0.000             | 1    | 1          | 1            | 1 |
| 603748       | PL.17388    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.13         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.819               | 0.000             | 1    | 0          | 1            | 1 |
| 603629       | PL.19729    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.79                     | 0.85         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 0.719               | 0.000             | 6    | 1          | 1            | 1 |



Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf         | Type/<br>Conductor | Pri<br>kV               | Base<br>Volt            | Element<br>Drop      | Units Displayed In Volts<br>-Base Voltage:120.0- |                      |             |             |             |                 |                      | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW                      | KVAR        | Cons<br>On  | Cons<br>Thru |             |
|--------------|-------------|-------------|--------------------|-------------------------|-------------------------|----------------------|--|----------------------|-------------|-------------|-------------|-----------------|----------------------|-------------------|-------------------------------------|-------------------------|-------------|-------------|--------------|-------------|
|              |             |             |                    |                         |                         |                      | Accum<br>Drop                                    | Thru<br>Amps         | %<br>Cap    | Thru<br>KW  | KVAR        | %<br>PF         | kW<br>Loss           |                   |                                     |                         |             |             |              | %<br>Loss   |
| 603615       | PL.19729    | B           | Consumer           | 7.51Y                   | 125.2                   | 0.00                 | 0.79   | 0.22                 | 0           | 2           | 0           | 100             | 0.00                 | 0.0               | 0.719                               | 0.000                   | 2           | 0           | 1            | 1           |
| 604633       | PL.19729    | B           | Consumer           | 7.51Y                   | 125.2                   | 0.00                 | 0.79   | 0.19                 | 0           | 1           | 1           | 71              | 0.00                 | 0.0               | 0.719                               | 0.000                   | 1           | 1           | 1            | 1           |
| 603614       | PL.19729    | B           | Consumer           | 7.51Y                   | 125.2                   | 0.00                 | 0.79   | 0.24                 | 0           | 2           | 0           | 100             | 0.00                 | 0.0               | 0.719                               | 0.000                   | 2           | 0           | 1            | 1           |
| PL.25855     | PL.19729    | C           | 4ACSR              | 7.54Y                   | 125.7                   | 0.01                 | 0.31   | 3.26                 | 2           | 24          | 3           | 99              | 0.00                 | 0.0               | 0.772                               | 0.053                   | 0           | 0           | 0            | 8           |
| PL.25856     | PL.25855    | C           | 4ACSR              | 7.54Y                   | 125.7                   | 0.00                 | 0.32   | 3.01                 | 2           | 23          | 3           | 99              | 0.00                 | 0.0               | 0.801                               | 0.029                   | 0           | 0           | 0            | 6           |
| 604728       | PL.25856    | C           | Consumer           | 7.54Y                   | 125.7                   | 0.00                 | 0.32   | 0.23                 | 0           | 2           | 0           | 100             | 0.00                 | 0.0               | 0.801                               | 0.000                   | 2           | 0           | 1            | 1           |
| 604726       | PL.25856    | C           | Consumer           | 7.54Y                   | 125.7                   | 0.00                 | 0.32   | 0.93                 | 0           | 7           | 1           | 99              | 0.00                 | 0.0               | 0.801                               | 0.000                   | 7           | 1           | 1            | 1           |
| 603751       | PL.25856    | C           | Consumer           | 7.54Y                   | 125.7                   | 0.00                 | 0.32   | 0.30                 | 0           | 2           | 0           | 100             | 0.00                 | 0.0               | 0.801                               | 0.000                   | 2           | 0           | 1            | 1           |
| 604706       | PL.25856    | C           | Consumer           | 7.54Y                   | 125.7                   | 0.00                 | 0.32   | 0.12                 | 0           | 1           | 0           | 100             | 0.00                 | 0.0               | 0.801                               | 0.000                   | 1           | 0           | 1            | 1           |
| 604707       | PL.25856    | C           | Consumer           | 7.54Y                   | 125.7                   | 0.00                 | 0.32   | 0.46                 | 0           | 3           | 0           | 100             | 0.00                 | 0.0               | 0.801                               | 0.000                   | 3           | 0           | 1            | 1           |
| 604723       | PL.25856    | C           | Consumer           | 7.54Y                   | 125.7                   | 0.00                 | 0.32   | 0.98                 | 0           | 7           | 1           | 99              | 0.00                 | 0.0               | 0.801                               | 0.000                   | 7           | 1           | 1            | 1           |
| 604722       | PL.25856    | C           | Consumer           | 7.54Y                   | 125.7                   | 0.00                 | 0.32   | 0.00                 | 0           | 0           | 0           | 100             | 0.00                 | 0.0               | 0.801                               | 0.000                   | 0           | 0           | 0            | 0           |
| PL.25858     | PL.25856    | C           | 4ACSR              | 7.54Y                   | 125.7                   | 0.00                 | 0.32   | 0.00                 | 0           | 0           | 0           | 100             | 0.00                 | 0.0               | 0.805                               | 0.004                   | 0           | 0           | 0            | 0           |
| PD.2348-B    | PL.25858    | C           | Open               | 7.54Y                   | 125.7                   | 0.00                 | 0.32   | 0.00                 | 0           | 0           | 0           | 100             | 0.00                 | 0.0               | 0.805                               | 0.000                   | 0           | 0           | 0            | 0           |
| 604611       | PL.25855    | C           | Consumer           | 7.54Y                   | 125.7                   | 0.00                 | 0.31   | 0.09                 | 0           | 1           | 0           | 100             | 0.00                 | 0.0               | 0.772                               | 0.000                   | 1           | 0           | 1            | 1           |
| 603612       | PL.25855    | C           | Consumer           | 7.54Y                   | 125.7                   | 0.00                 | 0.31   | 0.00                 | 0           | 0           | 0           | 100             | 0.00                 | 0.0               | 0.772                               | 0.000                   | 0           | 0           | 0            | 0           |
| 603701       | PL.25855    | C           | Consumer           | 7.54Y                   | 125.7                   | 0.00                 | 0.31   | 0.00                 | 0           | 0           | 0           | 100             | 0.00                 | 0.0               | 0.772                               | 0.000                   | 0           | 0           | 0            | 0           |
| 604704       | PL.25855    | C           | Consumer           | 7.54Y                   | 125.7                   | 0.00                 | 0.31   | 0.15                 | 0           | 1           | 0           | 100             | 0.00                 | 0.0               | 0.772                               | 0.000                   | 1           | 0           | 1            | 1           |
| 604612       | PL.20763    | A<br>B<br>C | Consumer           | 7.55Y<br>7.51Y<br>7.54Y | 125.8<br>125.2<br>125.7 | 0.00<br>0.00<br>0.00 | 0.23<br>0.77<br>0.31                             | 0.22<br>0.22<br>0.22 | 0<br>0<br>0 | 2<br>2<br>2 | 0<br>0<br>0 | 100<br>99<br>99 | 0.00<br>0.00<br>0.00 | 0.0<br>0.0<br>0.0 | 0.682<br>0.682<br>0.681             | 0.000<br>0.000<br>0.040 | 2<br>2<br>2 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>0<br>0 |
| 604613       | PL.20763    | B           | Consumer           | 7.51Y                   | 125.2                   | 0.00                 | 0.77   | 1.12                 | 0           | 8           | 1           | 99              | 0.00                 | 0.0               | 0.682                               | 0.000                   | 8           | 1           | 1            | 1           |
| 604627       | PL.20763    | B           | Consumer           | 7.51Y                   | 125.2                   | 0.00                 | 0.77   | 0.03                 | 0           | 0           | 0           | 100             | 0.00                 | 0.0               | 0.682                               | 0.000                   | 0           | 0           | 1            | 1           |
| 604602       | PL.20763    | A           | Consumer           | 7.55Y                   | 125.8                   | 0.00                 | 0.23   | 0.89                 | 0           | 6           | 3           | 89              | 0.00                 | 0.0               | 0.682                               | 0.000                   | 6           | 3           | 1            | 1           |
| PL.3738      | PL.26579    | A           | 4ACSR              | 7.55Y                   | 125.8                   | 0.01                 | 0.24   | 3.96                 | 2           | 30          | 4           | 99              | 0.00                 | 0.0               | 0.681                               | 0.040                   | 0           | 0           | 0            | 8           |
| 604623       | PL.3738     | A           | Consumer           | 7.55Y                   | 125.8                   | 0.00                 | 0.24   | 0.25                 | 0           | 2           | 0           | 100             | 0.00                 | 0.0               | 0.681                               | 0.000                   | 2           | 0           | 1            | 1           |
| 604509       | PL.3738     | A           | Consumer           | 7.55Y                   | 125.8                   | 0.00                 | 0.24   | 1.59                 | 0           | 12          | 2           | 99              | 0.00                 | 0.0               | 0.681                               | 0.000                   | 12          | 2           | 1            | 1           |
| 604620       | PL.3738     | A           | Consumer           | 7.55Y                   | 125.8                   | 0.00                 | 0.24   | 0.01                 | 0           | 0           | 0           | 100             | 0.00                 | 0.0               | 0.681                               | 0.000                   | 0           | 0           | 1            | 1           |
| 604619       | PL.3738     | A           | Consumer           | 7.55Y                   | 125.8                   | 0.00                 | 0.24   | 0.52                 | 0           | 4           | 1           | 97              | 0.00                 | 0.0               | 0.681                               | 0.000                   | 4           | 1           | 1            | 1           |
| 604501       | PL.3738     | A           | Consumer           | 7.55Y                   | 125.8                   | 0.00                 | 0.24   | 0.11                 | 0           | 1           | 0           | 100             | 0.00                 | 0.0               | 0.681                               | 0.000                   | 1           | 0           | 1            | 1           |
| 604630       | PL.3738     | A           | Consumer           | 7.55Y                   | 125.8                   | 0.00                 | 0.24   | 0.59                 | 0           | 4           | 1           | 97              | 0.00                 | 0.0               | 0.681                               | 0.000                   | 4           | 1           | 1            | 1           |
| PL.42669     | PL.3738     | A           | 2ACSR              | 7.55Y                   | 125.8                   | 0.00                 | 0.24   | 0.88                 | 0           | 7           | 1           | 99              | 0.00                 | 0.0               | 0.706                               | 0.025                   | 0           | 0           | 0            | 2           |
| 604616       | PL.42669    | A           | Consumer           | 7.55Y                   | 125.8                   | 0.00                 | 0.24   | 0.52                 | 0           | 4           | 1           | 97              | 0.00                 | 0.0               | 0.706                               | 0.000                   | 4           | 1           | 1            | 1           |
| 604502       | PL.42669    | A           | Consumer           | 7.55Y                   | 125.8                   | 0.00                 | 0.24   | 0.00                 | 0           | 0           | 0           | 100             | 0.00                 | 0.0               | 0.706                               | 0.000                   | 0           | 0           | 0            | 0           |
| 604625       | PL.42669    | A           | Consumer           | 7.55Y                   | 125.8                   | 0.00                 | 0.24   | 0.36                 | 0           | 3           | 0           | 100             | 0.00                 | 0.0               | 0.706                               | 0.000                   | 3           | 0           | 1            | 1           |
| 604504       | PL.14050    | C           | Consumer           | 7.54Y                   | 125.7                   | 0.00                 | 0.26   | 0.14                 | 0           | 1           | 0           | 100             | 0.00                 | 0.0               | 0.492                               | 0.000                   | 1           | 0           | 1            | 1           |
| 604507       | PL.14050    | A           | Consumer           | 7.55Y                   | 125.8                   | 0.00                 | 0.19   | 0.24                 | 0           | 2           | 0           | 100             | 0.00                 | 0.0               | 0.492                               | 0.000                   | 2           | 0           | 1            | 1           |
| 604508       | PL.14050    | C           | Consumer           | 7.54Y                   | 125.7                   | 0.00                 | 0.26   | 1.22                 | 0           | 9           | 1           | 99              | 0.00                 | 0.0               | 0.492                               | 0.000                   | 9           | 1           | 1            | 1           |
| 604503       | PL.14050    | A           | Consumer           | 7.55Y                   | 125.8                   | 0.00                 | 0.19   | 0.13                 | 0           | 1           | 0           | 100             | 0.00                 | 0.0               | 0.492                               | 0.000                   | 1           | 0           | 1            | 1           |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |                      |    | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |   | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|----------------------|----|------------|------|---------|------------|-----------|-------------------|-------------------|---|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | mi<br>Length<br>(mi) | KW |            |      |         |            |           |                   | KVAR              |   |            |              |
| PL.34683     | PL.3753     | B   | 2ACSR              | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.33         | 0        | 2                    | 0  | 100        | 0.00 | 0.0     | 0.532      | 0.035     | 0                 | 0                 | 0 | 1          |              |
| 6064004      | PL.34683    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.532      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| 6064003      | PL.34683    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.33         | 0        | 2                    | 0  | 100        | 0.00 | 0.0     | 0.532      | 0.000     | 2                 | 0                 | 1 | 1          |              |
| 606546       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 1.04         | 0        | 8                    | 1  | 99         | 0.00 | 0.0     | 0.468      | 0.000     | 8                 | 1                 | 1 | 1          |              |
| 606527       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.21         | 0        | 2                    | 0  | 100        | 0.00 | 0.0     | 0.468      | 0.000     | 2                 | 0                 | 1 | 1          |              |
| 605519       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.12         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 0.468      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 606532       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.15         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 0.468      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 606537       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.29         | 0        | 2                    | 0  | 100        | 0.00 | 0.0     | 0.468      | 0.000     | 2                 | 0                 | 1 | 1          |              |
| 605521       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.25         | 0        | 2                    | 0  | 100        | 0.00 | 0.0     | 0.468      | 0.000     | 2                 | 0                 | 1 | 1          |              |
| 606545       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.53         | 0        | 4                    | 1  | 97         | 0.00 | 0.0     | 0.468      | 0.000     | 4                 | 1                 | 1 | 1          |              |
| 606505       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.07         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 0.468      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 606526       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.15         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 0.468      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 606510       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.45         | 0        | 3                    | 0  | 100        | 0.00 | 0.0     | 0.468      | 0.000     | 3                 | 0                 | 1 | 1          |              |
| 606533       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.57         | 0        | 4                    | 1  | 97         | 0.00 | 0.0     | 0.468      | 0.000     | 4                 | 1                 | 1 | 1          |              |
| 606501       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.43         | 0        | 3                    | 0  | 100        | 0.00 | 0.0     | 0.468      | 0.000     | 3                 | 0                 | 1 | 1          |              |
| 606544       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.57         | 0        | 4                    | 1  | 97         | 0.00 | 0.0     | 0.468      | 0.000     | 4                 | 1                 | 1 | 1          |              |
| 606517       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.468      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| 606528       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.468      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| 606538       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.15         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 0.468      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 605518       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.05         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.468      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| 605520       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.01         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.468      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| 606515       | PL.14136    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.90         | 0        | 7                    | 1  | 99         | 0.00 | 0.0     | 0.468      | 0.000     | 7                 | 1                 | 1 | 1          |              |
| PL.14139     | PL.14136    | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.50                     | 2.88         | 1        | 21                   | 3  | 99         | 0.00 | 0.0     | 0.504      | 0.036     | 0                 | 0                 | 0 | 16         |              |
| 606511       | PL.14139    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.504      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| 606506       | PL.14139    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.13         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 0.504      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 606509       | PL.14139    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.26         | 0        | 2                    | 0  | 100        | 0.00 | 0.0     | 0.504      | 0.000     | 2                 | 0                 | 1 | 1          |              |
| 606516       | PL.14139    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.58         | 0        | 4                    | 1  | 97         | 0.00 | 0.0     | 0.504      | 0.000     | 4                 | 1                 | 1 | 1          |              |
| 6065047      | PL.14139    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.504      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| 606508       | PL.14139    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.19         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 0.504      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 606507       | PL.14139    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.21         | 0        | 2                    | 0  | 100        | 0.00 | 0.0     | 0.504      | 0.000     | 2                 | 0                 | 1 | 1          |              |
| 606512       | PL.14139    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.49         | 0        | 4                    | 0  | 100        | 0.00 | 0.0     | 0.504      | 0.000     | 4                 | 0                 | 1 | 1          |              |
| 606514       | PL.14139    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.12         | 0        | 1                    | 0  | 100        | 0.00 | 0.0     | 0.504      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| PL.7405      | PL.14139    | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.90         | 0        | 7                    | 1  | 99         | 0.00 | 0.0     | 0.547      | 0.043     | 0                 | 0                 | 0 | 8          |              |
| 607521       | PL.7405     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.04         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.547      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| 607516       | PL.7405     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.21         | 0        | 2                    | 0  | 100        | 0.00 | 0.0     | 0.547      | 0.000     | 2                 | 0                 | 1 | 1          |              |
| 607519       | PL.7405     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.02         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.547      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| 607512       | PL.7405     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.02         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 0.547      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| 607515       | PL.7405     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.26         | 0        | 2                    | 0  | 100        | 0.00 | 0.0     | 0.547      | 0.000     | 2                 | 0                 | 1 | 1          |              |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 607518       | PL.7405     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.547                               | 0.000 | 1    | 0          | 1            | 1 |
| 607513       | PL.7405     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.07         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.547                               | 0.000 | 0    | 0          | 1            | 1 |
| 607514       | PL.7405     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.21         | 0        | 1          | 1       | 71         | 0.00      | 0.0               | 0.547                               | 0.000 | 1    | 1          | 1            | 1 |
| PL.3752      | PL.14137    | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.64         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 0.448                               | 0.012 | 0    | 0          | 0            | 4 |
| 605526       | PL.3752     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.448                               | 0.000 | 0    | 0          | 1            | 1 |
| 605530       | PL.3752     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.44         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.448                               | 0.000 | 3    | 0          | 1            | 1 |
| 605529       | PL.3752     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.12         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.448                               | 0.000 | 1    | 0          | 1            | 1 |
| 605527       | PL.3752     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.448                               | 0.000 | 0    | 0          | 1            | 1 |
| 606529       | PL.14137    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.437                               | 0.000 | 0    | 0          | 1            | 1 |
| 606540       | PL.14137    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.437                               | 0.000 | 2    | 0          | 1            | 1 |
| 606536       | PL.14137    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.437                               | 0.000 | 1    | 0          | 1            | 1 |
| 606541       | PL.14137    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.18         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.437                               | 0.000 | 1    | 0          | 1            | 1 |
| 605531       | PL.14137    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.437                               | 0.000 | 0    | 0          | 1            | 1 |
| 606531       | PL.14137    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.437                               | 0.000 | 2    | 0          | 1            | 1 |
| 606539       | PL.14137    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.437                               | 0.000 | 0    | 0          | 0            | 0 |
| 606530       | PL.14137    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.437                               | 0.000 | 0    | 0          | 1            | 1 |
| 605207       | PL.14133    | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.12                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.228                               | 0.000 | 2    | 0          | 1            | 1 |
| 605205       | PL.14133    | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.12                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.228                               | 0.000 | 1    | 0          | 1            | 1 |
| 605303       | PL.14133    | A   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.09                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.228                               | 0.000 | 0    | 0          | 0            | 0 |
| 606301       | PL.14133    | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.12                     | 0.16         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.228                               | 0.000 | 1    | 0          | 1            | 1 |
| 606311       | PL.14133    | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.12                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.228                               | 0.000 | 2    | 0          | 1            | 1 |
| 605302       | PL.14133    | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.12                     | 0.39         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.228                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.17376     | PL.14133    | C   | 4ACSR              | 7.55Y     | 125.9        | 0.00            | 0.12                     | 1.23         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 0.234                               | 0.006 | 0    | 0          | 0            | 4 |
| PD.2183      | PL.17376    | C   | fuse8AMP           | 7.55Y     | 125.9        | 0.00            | 0.12                     | 1.23         | 17       | 9          | 1       | 99         | 0.00      | 0.0               | 0.234                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.17150     | PD.2183     | C   | 4ACSR              | 7.55Y     | 125.9        | 0.00            | 0.12                     | 1.23         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 0.305                               | 0.071 | 0    | 0          | 0            | 4 |
| PL.7401      | PL.17150    | C   | 4ACSR              | 7.55Y     | 125.9        | 0.00            | 0.12                     | 0.65         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 0.348                               | 0.043 | 0    | 0          | 0            | 1 |
| 607305       | PL.7401     | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.12                     | 0.65         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 0.348                               | 0.000 | 5    | 1          | 1            | 1 |
| 606304       | PL.17150    | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.12                     | 0.38         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.305                               | 0.000 | 3    | 0          | 1            | 1 |
| 606305       | PL.17150    | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.12                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.305                               | 0.000 | 0    | 0          | 1            | 1 |
| 606307       | PL.17150    | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.12                     | 0.18         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.305                               | 0.000 | 1    | 0          | 1            | 1 |
| 605304       | PL.14132    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.25                     | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 0.195                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.17370     | PL.14129    | A   | 4ACSR              | 7.56Y     | 125.9        | 0.00            | 0.06                     | 1.30         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 0.142                               | 0.006 | 0    | 0          | 0            | 3 |
| PD.2182      | PL.17370    | A   | fuse6AMP           | 7.56Y     | 125.9        | 0.00            | 0.06                     | 1.30         | 22       | 10         | 1       | 100        | 0.00      | 0.0               | 0.142                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.17371     | PD.2182     | A   | 4ACSR              | 7.56Y     | 125.9        | 0.00            | 0.06                     | 1.30         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 0.167                               | 0.026 | 0    | 0          | 0            | 3 |
| PL.14131     | PL.17371    | A   | 4ACSR              | 7.56Y     | 125.9        | 0.00            | 0.06                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.198                               | 0.031 | 0    | 0          | 0            | 2 |
| 605202       | PL.14131    | A   | Consumer           | 7.56Y     | 125.9        | 0.00            | 0.06                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.198                               | 0.000 | 0    | 0          | 0            | 0 |
| 605211       | PL.14131    | A   | Consumer           | 7.56Y     | 125.9        | 0.00            | 0.06                     | 0.46         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.198                               | 0.000 | 3    | 0          | 1            | 1 |
| 605203       | PL.14131    | A   | Consumer           | 7.56Y     | 125.9        | 0.00            | 0.06                     | 0.38         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.198                               | 0.000 | 3    | 0          | 1            | 1 |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like 607105, 607203, OH65, PL.14056, PL.14057, PL.17392, PD.2410, PL.17393, 605741, 605733, 605732, 605744, 605703, 605735, 605743, 605731, PL.20856, PL.20857, PD.2350-A, 605706, 605701, PL.17391, PD.2347-A, PD.2347-B, PL.19159, 605720, 605713, 605730, PL.19160.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PL.25852, PL.25853, PL.21380, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 602838, 602803, etc.



Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PD.4359-B, PL.33239, PL.280, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 601812, 601815, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 600907, 600906, PL.16953, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Units (Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi)), Element (KW, KVAR), Cons On, Cons Thru. Includes rows for elements like PL.4514, 071918, PL.38104, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.37785, PL.37780, PL.37878, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR  | Cons<br>On | Cons<br>Thru |           |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-------------------|-------------------------------------|-------|-------|------------|--------------|-----------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss |                   |                                     |       |       |            |              | %<br>Loss |    |
| PL.35093     | PD.5197     | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.65   | 0.32         | 0        | 2          | 0       | 100        | 0.00              | 0.0                                 | 3.054 | 0.051 | 0          | 0            | 0         | 1  |
| 070919       | PL.35093    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.65   | 0.32         | 0        | 2          | 0       | 100        | 0.00              | 0.0                                 | 3.054 | 0.000 | 2          | 0            | 1         | 1  |
| PL.43785     | PL.13992    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.02            | 2.67   | 11.41        | 6        | 84         | 12      | 99         | 0.01              | 0.0                                 | 3.039 | 0.045 | 0          | 0            | 0         | 19 |
| PL.43786     | PL.43785    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.69   | 11.13        | 6        | 82         | 11      | 99         | 0.01              | 0.0                                 | 3.066 | 0.027 | 0          | 0            | 0         | 18 |
| PL.35098     | PL.43786    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.02            | 2.71   | 7.16         | 4        | 52         | 7       | 99         | 0.01              | 0.0                                 | 3.128 | 0.062 | 0          | 0            | 0         | 12 |
| PL.35099     | PL.35098    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.71   | 7.16         | 4        | 52         | 7       | 99         | 0.00              | 0.0                                 | 3.140 | 0.012 | 0          | 0            | 0         | 12 |
| 070922       | PL.35099    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.71   | 1.07         | 0        | 8          | 1       | 99         | 0.00              | 0.0                                 | 3.140 | 0.000 | 8          | 1            | 1         | 1  |
| 070904       | PL.35099    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.71   | 1.07         | 0        | 8          | 1       | 99         | 0.00              | 0.0                                 | 3.140 | 0.000 | 8          | 1            | 1         | 1  |
| 070940       | PL.35099    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.71   | 0.21         | 0        | 2          | 0       | 100        | 0.00              | 0.0                                 | 3.140 | 0.000 | 2          | 0            | 1         | 1  |
| PL.35100     | PL.35099    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.71   | 3.57         | 2        | 26         | 4       | 99         | 0.00              | 0.0                                 | 3.157 | 0.017 | 0          | 0            | 0         | 7  |
| PD.5201-A    | PL.35100    | C   | Closed             | 7.40Y     | 123.3        | 0.00            | 2.71   | 3.57         | 0        | 26         | 4       | 99         | 0.00              | 0.0                                 | 3.157 | 0.000 | 0          | 0            | 0         | 7  |
| PD.5201-B    | PD.5201-A   | C   | Closed             | 7.40Y     | 123.3        | 0.00            | 2.71   | 3.57         | 0        | 26         | 4       | 99         | 0.00              | 0.0                                 | 3.157 | 0.000 | 0          | 0            | 0         | 7  |
| PL.35101     | PD.5201-B   | C   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.72   | 3.57         | 2        | 26         | 4       | 99         | 0.00              | 0.0                                 | 3.210 | 0.053 | 0          | 0            | 0         | 7  |
| PL.25236     | PL.35101    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.73   | 3.07         | 2        | 23         | 3       | 99         | 0.00              | 0.0                                 | 3.253 | 0.043 | 0          | 0            | 0         | 6  |
| 070929       | PL.25236    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.73   | 0.37         | 0        | 3          | 0       | 100        | 0.00              | 0.0                                 | 3.253 | 0.000 | 3          | 0            | 1         | 1  |
| PL.25235     | PL.25236    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.73   | 2.70         | 1        | 20         | 3       | 99         | 0.00              | 0.0                                 | 3.305 | 0.052 | 0          | 0            | 0         | 5  |
| PL.13995     | PL.25235    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.74   | 2.70         | 1        | 20         | 3       | 99         | 0.00              | 0.0                                 | 3.345 | 0.039 | 0          | 0            | 0         | 5  |
| PL.13996     | PL.13995    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.74   | 1.96         | 1        | 14         | 2       | 99         | 0.00              | 0.0                                 | 3.382 | 0.037 | 0          | 0            | 0         | 4  |
| PL.13997     | PL.13996    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.74   | 1.96         | 1        | 14         | 2       | 99         | 0.00              | 0.0                                 | 3.419 | 0.037 | 0          | 0            | 0         | 4  |
| 019944       | PL.13997    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.74   | 0.60         | 0        | 4          | 1       | 97         | 0.00              | 0.0                                 | 3.419 | 0.000 | 4          | 1            | 1         | 1  |
| 019950       | PL.13997    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.74   | 0.63         | 0        | 5          | 1       | 98         | 0.00              | 0.0                                 | 3.419 | 0.000 | 5          | 1            | 1         | 1  |
| PL.5942      | PL.13997    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.75   | 0.73         | 0        | 5          | 1       | 98         | 0.00              | 0.0                                 | 3.498 | 0.079 | 0          | 0            | 0         | 2  |
| 019940       | PL.5942     | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.75   | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.498 | 0.000 | 0          | 0            | 0         | 0  |
| 019928       | PL.5942     | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.75   | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.498 | 0.000 | 0          | 0            | 0         | 0  |
| 019938       | PL.5942     | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.75   | 0.54         | 0        | 4          | 1       | 97         | 0.00              | 0.0                                 | 3.498 | 0.000 | 4          | 1            | 1         | 1  |
| 019948       | PL.5942     | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.75   | 0.20         | 0        | 1          | 0       | 100        | 0.00              | 0.0                                 | 3.498 | 0.000 | 1          | 0            | 1         | 1  |
| 019930       | PL.13995    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.74   | 0.74         | 0        | 5          | 1       | 98         | 0.00              | 0.0                                 | 3.345 | 0.000 | 5          | 1            | 1         | 1  |
| 070905       | PL.35101    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.72   | 0.49         | 0        | 4          | 0       | 100        | 0.00              | 0.0                                 | 3.210 | 0.000 | 4          | 0            | 1         | 1  |
| PL.35096     | PL.35099    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.71   | 1.24         | 1        | 9          | 1       | 99         | 0.00              | 0.0                                 | 3.149 | 0.009 | 0          | 0            | 0         | 2  |
| PD.5199      | PL.35096    | C   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.71   | 1.24         | 21       | 9          | 1       | 99         | 0.00              | 0.0                                 | 3.149 | 0.000 | 0          | 0            | 0         | 2  |
| PL.35097     | PD.5199     | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.71   | 1.24         | 1        | 9          | 1       | 99         | 0.00              | 0.0                                 | 3.190 | 0.041 | 0          | 0            | 0         | 2  |
| 070925       | PL.35097    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.71   | 0.34         | 0        | 3          | 0       | 100        | 0.00              | 0.0                                 | 3.190 | 0.000 | 3          | 0            | 1         | 1  |
| 070923       | PL.35097    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.71   | 0.90         | 0        | 7          | 1       | 99         | 0.00              | 0.0                                 | 3.190 | 0.000 | 7          | 1            | 1         | 1  |
| 070927       | PL.43786    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69   | 0.02         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.066 | 0.000 | 0          | 0            | 1         | 1  |
| 070920       | PL.43786    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69   | 0.34         | 0        | 2          | 0       | 100        | 0.00              | 0.0                                 | 3.066 | 0.000 | 2          | 0            | 1         | 1  |
| 070924       | PL.43786    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69   | 2.05         | 0        | 15         | 2       | 99         | 0.00              | 0.0                                 | 3.066 | 0.000 | 15         | 2            | 1         | 1  |
| 070916       | PL.43786    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69   | 0.11         | 0        | 1          | 0       | 100        | 0.00              | 0.0                                 | 3.066 | 0.000 | 1          | 0            | 1         | 1  |
| 070921       | PL.43786    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69   | 1.24         | 0        | 9          | 1       | 99         | 0.00              | 0.0                                 | 3.066 | 0.000 | 9          | 1            | 1         | 1  |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 070939, 070931, PL.43784, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.37817     | PL.37808    | B   | 2ACSR              | 7.45Y     | 124.2        | 0.00            | 1.82   | 0.23         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.760                               | 0.004 | 0    | 0          | 0            | 2         |
| PD.6241      | PL.37817    | B   | fuse6AMP           | 7.45Y     | 124.2        | 0.00            | 1.82   | 0.23         | 4        | 2          | 0    | 100     | 0.00       | 0.0               | 2.760                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.37818     | PD.6241     | B   | 2ACSR              | 7.45Y     | 124.2        | 0.00            | 1.82   | 0.23         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.768                               | 0.008 | 0    | 0          | 0            | 2         |
| PL.37874     | PL.37818    | B   | 2ACSR              | 7.45Y     | 124.2        | 0.00            | 1.82   | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.804                               | 0.036 | 0    | 0          | 0            | 1         |
| 071936       | PL.37874    | B   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.82   | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.804                               | 0.000 | 0    | 0          | 1            | 1         |
| 071947       | PL.37818    | B   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.82   | 0.17         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.768                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.37811     | PL.37808    | A   | 336ACSR            | 7.45Y     | 124.2        | -0.01           | 1.77   | 10.73        | 1        | 79         | 11   | 99      | 0.02       | 0.0               | 2.787                               | 0.031 | 0    | 0          | 0            | 29        |
|              |             | B   |                    | 7.45Y     | 124.2        | 0.00            | 1.83   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 1         |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.01            | 2.51   | 40.21        | 6        | 295        | 43   | 99      |            |                   |                                     |       | 0    | 0          | 0            | 65        |
| PL.37813     | PL.37811    | A   | 336ACSR            | 7.45Y     | 124.2        | -0.00           | 1.77   | 10.73        | 1        | 79         | 11   | 99      | 0.00       | 0.0               | 2.790                               | 0.003 | 0    | 0          | 0            | 29        |
|              |             | B   |                    | 7.45Y     | 124.2        | 0.00            | 1.83   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 1         |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.00            | 2.51   | 40.21        | 6        | 295        | 43   | 99      |            |                   |                                     |       | 0    | 0          | 0            | 65        |
| 071902       | PL.37813    | B   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.83   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.790                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.37820     | PL.37813    | A   | 336ACSR            | 7.46Y     | 124.3        | -0.03           | 1.74   | 10.73        | 1        | 79         | 11   | 99      | 0.10       | 0.0               | 2.950                               | 0.160 | 0    | 0          | 0            | 29        |
|              |             | B   |                    | 7.45Y     | 124.2        | 0.01            | 1.84   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.41Y     | 123.4        | 0.07            | 2.57   | 40.21        | 6        | 295        | 43   | 99      |            |                   |                                     |       | 0    | 0          | 0            | 65        |
| PL.37828     | PL.37820    | A   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.74   | 0.13         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.959                               | 0.009 | 0    | 0          | 0            | 1         |
| PD.6243      | PL.37828    | A   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.74   | 0.13         | 2        | 1          | 0    | 100     | 0.00       | 0.0               | 2.959                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.37829     | PD.6243     | A   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.74   | 0.13         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.974                               | 0.015 | 0    | 0          | 0            | 1         |
| 071903       | PL.37829    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.74   | 0.13         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.974                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.37826     | PL.37820    | A   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.74   | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.963                               | 0.013 | 0    | 0          | 0            | 1         |
| PD.6242      | PL.37826    | A   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.74   | 0.22         | 4        | 2          | 0    | 100     | 0.00       | 0.0               | 2.963                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.37827     | PD.6242     | A   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.74   | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.034                               | 0.071 | 0    | 0          | 0            | 1         |
| 071920       | PL.37827    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.74   | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.034                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.37824     | PL.37820    | A   | 336ACSR            | 7.46Y     | 124.3        | -0.01           | 1.72   | 10.39        | 1        | 77         | 11   | 99      | 0.05       | 0.0               | 3.026                               | 0.076 | 0    | 0          | 0            | 27        |
|              |             | B   |                    | 7.45Y     | 124.2        | 0.01            | 1.85   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.40Y     | 123.4        | 0.03            | 2.60   | 40.21        | 6        | 295        | 42   | 99      |            |                   |                                     |       | 0    | 0          | 0            | 65        |
| PL.37825     | PL.37824    | A   | 336ACSR            | 7.46Y     | 124.3        | -0.00           | 1.72   | 9.75         | 1        | 72         | 10   | 99      | 0.01       | 0.0               | 3.045                               | 0.020 | 0    | 0          | 0            | 26        |
|              |             | B   |                    | 7.45Y     | 124.2        | 0.00            | 1.85   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.40Y     | 123.4        | 0.01            | 2.61   | 40.21        | 6        | 295        | 42   | 99      |            |                   |                                     |       | 0    | 0          | 0            | 65        |
| PL.37837     | PL.37825    | C   | 2ACSR              | 7.40Y     | 123.4        | 0.03            | 2.64   | 40.21        | 16       | 295        | 42   | 99      | 0.06       | 0.0               | 3.070                               | 0.025 | 0    | 0          | 0            | 65        |
| PD.6247-A    | PL.37837    | C   | Closed             | 7.40Y     | 123.4        | 0.00            | 2.64   | 40.21        | 0        | 295        | 42   | 99      | 0.00       | 0.0               | 3.070                               | 0.000 | 0    | 0          | 0            | 65        |
| PD.6247-B    | PD.6247-A   | C   | Closed             | 7.40Y     | 123.4        | 0.00            | 2.64   | 40.21        | 0        | 295        | 42   | 99      | 0.00       | 0.0               | 3.070                               | 0.000 | 0    | 0          | 0            | 65        |
| PL.37838     | PD.6247-B   | C   | 2ACSR              | 7.40Y     | 123.4        | 0.01            | 2.65   | 40.21        | 16       | 295        | 42   | 99      | 0.02       | 0.0               | 3.078                               | 0.008 | 0    | 0          | 0            | 65        |
| PL.17502     | PL.37838    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.66   | 39.55        | 20       | 290        | 42   | 99      | 0.02       | 0.0               | 3.084                               | 0.006 | 0    | 0          | 0            | 63        |
| C PD.3235    | PL.17502    | C   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.66   | 39.55        | 676      | 290        | 42   | 99      | 0.00       | 0.0               | 3.084                               | 0.000 | 0    | 0          | 0            | 63 C      |
| PL.17503     | PD.3235     | C   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.67   | 39.55        | 20       | 290        | 42   | 99      | 0.02       | 0.0               | 3.089                               | 0.005 | 0    | 0          | 0            | 63        |
| PD.3623      | PL.17503    | C   | 50V4E              | 7.40Y     | 123.3        | 0.00            | 2.67   | 39.55        | 0        | 290        | 42   | 99      | 0.00       | 0.0               | 3.089                               | 0.000 | 0    | 0          | 0            | 63        |
| PL.17504     | PD.3623     | C   | 4ACSR              | 7.40Y     | 123.3        | 0.02            | 2.69   | 39.55        | 20       | 290        | 42   | 99      | 0.05       | 0.0               | 3.103                               | 0.013 | 0    | 0          | 0            | 63        |
| PL.14167     | PL.17504    | C   | 4ACSR              | 7.38Y     | 123.0        | 0.27            | 2.96   | 39.55        | 20       | 290        | 42   | 99      | 0.60       | 0.2               | 3.262                               | 0.160 | 0    | 0          | 0            | 63        |
| PL.4818      | PL.14167    | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 2.96   | 0.46         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 3.322                               | 0.060 | 0    | 0          | 0            | 2         |
| PL.14170     | PL.4818     | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 2.96   | 0.46         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 3.386                               | 0.064 | 0    | 0          | 0            | 2         |
| PL.24234     | PL.14170    | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 2.96   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.496                               | 0.110 | 0    | 0          | 0            | 0         |



Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and '-Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.35125     | PL.5793     | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 3.97   | 6.49         | 3        | 47         | 6    | 99      | 0.00       | 0.0               | 4.499                               | 0.013 | 0    | 0          | 0            | 13        |
| PD.5208-A    | PL.35125    | C   | Closed             | 7.32Y     | 122.0        | 0.00            | 3.97   | 6.49         | 0        | 47         | 6    | 99      | 0.00       | 0.0               | 4.499                               | 0.000 | 0    | 0          | 0            | 13        |
| PD.5208-B    | PD.5208-A   | C   | Closed             | 7.32Y     | 122.0        | 0.00            | 3.97   | 6.49         | 0        | 47         | 6    | 99      | 0.00       | 0.0               | 4.499                               | 0.000 | 0    | 0          | 0            | 13        |
| PL.35126     | PD.5208-B   | C   | 4ACSR              | 7.32Y     | 122.0        | 0.04            | 4.02   | 6.49         | 3        | 47         | 6    | 99      | 0.02       | 0.0               | 4.661                               | 0.162 | 0    | 0          | 0            | 13        |
| PL.26626     | PL.35126    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.02            | 4.04   | 4.21         | 2        | 31         | 4    | 99      | 0.00       | 0.0               | 4.768                               | 0.107 | 0    | 0          | 0            | 10        |
| PL.26627     | PL.26626    | C   | 4ACSR              | 7.32Y     | 121.9        | 0.03            | 4.07   | 4.21         | 2        | 31         | 4    | 99      | 0.01       | 0.0               | 4.925                               | 0.158 | 0    | 0          | 0            | 10        |
| PL.26628     | PL.26627    | C   | 4ACSR              | 7.32Y     | 121.9        | 0.01            | 4.07   | 3.48         | 2        | 25         | 3    | 99      | 0.00       | 0.0               | 4.984                               | 0.059 | 0    | 0          | 0            | 8         |
| PL.35131     | PL.26628    | C   | 4ACSR              | 7.32Y     | 121.9        | 0.00            | 4.07   | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.988                               | 0.004 | 0    | 0          | 0            | 1         |
| PD.5211      | PL.35131    | C   | fuse6AMP           | 7.32Y     | 121.9        | 0.00            | 4.07   | 0.22         | 4        | 2          | 0    | 100     | 0.00       | 0.0               | 4.988                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.35132     | PD.5211     | C   | 4ACSR              | 7.32Y     | 121.9        | 0.00            | 4.08   | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.030                               | 0.041 | 0    | 0          | 0            | 1         |
| PL.23805     | PL.35132    | C   | 4ACSR              | 7.32Y     | 121.9        | 0.00            | 4.08   | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.087                               | 0.058 | 0    | 0          | 0            | 1         |
| PL.23806     | PL.23805    | C   | 4ACSR              | 7.32Y     | 121.9        | 0.00            | 4.08   | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.146                               | 0.058 | 0    | 0          | 0            | 1         |
| 028219       | PL.23806    | C   | Consumer           | 7.32Y     | 121.9        | 0.00            | 4.08   | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.146                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.26629     | PL.26628    | C   | 4ACSR              | 7.32Y     | 121.9        | 0.01            | 4.08   | 3.27         | 2        | 24         | 3    | 99      | 0.00       | 0.0               | 5.034                               | 0.050 | 0    | 0          | 0            | 7         |
| PL.5787      | PL.26629    | C   | 4ACSR              | 7.31Y     | 121.9        | 0.02            | 4.10   | 2.94         | 2        | 21         | 3    | 99      | 0.00       | 0.0               | 5.204                               | 0.170 | 0    | 0          | 0            | 6         |
| PL.26630     | PL.5787     | C   | 4ACSR              | 7.31Y     | 121.9        | 0.02            | 4.12   | 1.93         | 1        | 14         | 2    | 99      | 0.00       | 0.0               | 5.412                               | 0.208 | 0    | 0          | 0            | 3         |
| PL.14121     | PL.26630    | C   | 4ACSR              | 7.31Y     | 121.9        | 0.00            | 4.12   | 1.26         | 1        | 9          | 1    | 99      | 0.00       | 0.0               | 5.488                               | 0.076 | 0    | 0          | 0            | 2         |
| PL.8575      | PL.14121    | C   | 4ACSR              | 7.31Y     | 121.9        | 0.01            | 4.13   | 1.26         | 1        | 9          | 1    | 99      | 0.00       | 0.0               | 5.620                               | 0.131 | 0    | 0          | 0            | 2         |
| PL.5789      | PL.8575     | C   | 4ACSR              | 7.31Y     | 121.9        | 0.00            | 4.13   | 0.12         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 5.738                               | 0.119 | 0    | 0          | 0            | 1         |
| 027202       | PL.5789     | C   | Consumer           | 7.31Y     | 121.9        | 0.00            | 4.13   | 0.12         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 5.738                               | 0.000 | 1    | 0          | 1            | 1         |
| 027201       | PL.8575     | C   | Consumer           | 7.31Y     | 121.9        | 0.00            | 4.13   | 1.15         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 5.620                               | 0.000 | 8    | 1          | 1            | 1         |
| 028216       | PL.26630    | C   | Consumer           | 7.31Y     | 121.9        | 0.00            | 4.12   | 0.67         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 5.412                               | 0.000 | 5    | 1          | 1            | 1         |
| 028212       | PL.5787     | C   | Consumer           | 7.31Y     | 121.9        | 0.00            | 4.10   | 0.46         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 5.204                               | 0.000 | 3    | 0          | 1            | 1         |
| 028220       | PL.5787     | C   | Consumer           | 7.31Y     | 121.9        | 0.00            | 4.10   | 0.20         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 5.204                               | 0.000 | 1    | 0          | 1            | 1         |
| 028217       | PL.5787     | C   | Consumer           | 7.31Y     | 121.9        | 0.00            | 4.10   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.204                               | 0.000 | 0    | 0          | 0            | 0         |
| 028218       | PL.5787     | C   | Consumer           | 7.31Y     | 121.9        | 0.00            | 4.10   | 0.35         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 5.204                               | 0.000 | 3    | 0          | 1            | 1         |
| 028213       | PL.26629    | C   | Consumer           | 7.32Y     | 121.9        | 0.00            | 4.08   | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.034                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.35129     | PL.26627    | C   | 4ACSR              | 7.32Y     | 121.9        | 0.00            | 4.07   | 0.73         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.930                               | 0.004 | 0    | 0          | 0            | 2         |
| PD.5210      | PL.35129    | C   | fuse6AMP           | 7.32Y     | 121.9        | 0.00            | 4.07   | 0.73         | 12       | 5          | 1    | 98      | 0.00       | 0.0               | 4.930                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.35130     | PD.5210     | C   | 4ACSR              | 7.32Y     | 121.9        | 0.00            | 4.07   | 0.73         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.964                               | 0.035 | 0    | 0          | 0            | 2         |
| 028207       | PL.35130    | C   | Consumer           | 7.32Y     | 121.9        | 0.00            | 4.07   | 0.38         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.964                               | 0.000 | 3    | 0          | 1            | 1         |
| 028214       | PL.35130    | C   | Consumer           | 7.32Y     | 121.9        | 0.00            | 4.07   | 0.35         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.964                               | 0.000 | 3    | 0          | 1            | 1         |
| PL.23804     | PL.26626    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.04   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.827                               | 0.059 | 0    | 0          | 0            | 0         |
| PL.35127     | PL.35126    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.02   | 2.28         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 4.667                               | 0.006 | 0    | 0          | 0            | 3         |
| PD.5209      | PL.35127    | C   | fuse6AMP           | 7.32Y     | 122.0        | 0.00            | 4.02   | 2.28         | 39       | 16         | 2    | 99      | 0.00       | 0.0               | 4.667                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.35128     | PD.5209     | C   | 4ACSR              | 7.32Y     | 122.0        | 0.01            | 4.03   | 2.28         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 4.753                               | 0.086 | 0    | 0          | 0            | 3         |
| 028211       | PL.35128    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.03   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.753                               | 0.000 | 0    | 0          | 0            | 0         |
| 028202       | PL.35128    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.03   | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.753                               | 0.000 | 2    | 0          | 1            | 1         |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes data rows for various elements like 028208, 028210, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 019915       | PL.438      | C   | Consumer           | 7.31Y     | 121.9        | 0.00            | 4.13                     | 1.18         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.325                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.14177     | PL.14176    | C   | 4ACSR              | 7.31Y     | 121.9        | 0.03            | 4.14                     | 19.17        | 10       | 139        | 19      | 99         | 0.03      | 0.0               | 4.181                               | 0.031 | 0    | 0          | 0            | 26 |
| PL.14178     | PL.14177    | C   | 4ACSR              | 7.31Y     | 121.8        | 0.07            | 4.21                     | 19.17        | 10       | 139        | 19      | 99         | 0.07      | 0.1               | 4.266                               | 0.085 | 0    | 0          | 0            | 26 |
| PL.14179     | PL.14178    | C   | 4ACSR              | 7.30Y     | 121.7        | 0.09            | 4.31                     | 16.06        | 8        | 116        | 16      | 99         | 0.08      | 0.1               | 4.402                               | 0.136 | 0    | 0          | 0            | 22 |
| PL.43265     | PL.14179    | C   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.31                     | 13.95        | 7        | 101        | 14      | 99         | 0.00      | 0.0               | 4.410                               | 0.008 | 0    | 0          | 0            | 19 |
| PD.8238-A    | PL.43265    | C   | Closed             | 7.30Y     | 121.7        | 0.00            | 4.31                     | 13.95        | 0        | 101        | 14      | 99         | 0.00      | 0.0               | 4.410                               | 0.000 | 0    | 0          | 0            | 19 |
| PD.8238-B    | PD.8238-A   | C   | Closed             | 7.30Y     | 121.7        | 0.00            | 4.31                     | 13.95        | 0        | 101        | 14      | 99         | 0.00      | 0.0               | 4.410                               | 0.000 | 0    | 0          | 0            | 19 |
| PL.43266     | PD.8238-B   | C   | 4ACSR              | 7.30Y     | 121.6        | 0.06            | 4.37                     | 13.95        | 7        | 101        | 14      | 99         | 0.05      | 0.0               | 4.515                               | 0.105 | 0    | 0          | 0            | 19 |
| 019931       | PL.43266    | C   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.37                     | 0.88         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.515                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.34603     | PL.43266    | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.37                     | 1.76         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 4.531                               | 0.015 | 0    | 0          | 0            | 3  |
| PD.4892      | PL.34603    | C   | fuse6AMP           | 7.30Y     | 121.6        | 0.00            | 4.37                     | 1.76         | 30       | 13         | 2       | 99         | 0.00      | 0.0               | 4.531                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.34604     | PD.4892     | C   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.38                     | 1.76         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 4.587                               | 0.056 | 0    | 0          | 0            | 3  |
| 018906       | PL.34604    | C   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.38                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.587                               | 0.000 | 0    | 0          | 1            | 1  |
| 018901       | PL.34604    | C   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.38                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.587                               | 0.000 | 0    | 0          | 1            | 1  |
| 019903       | PL.34604    | C   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.38                     | 1.76         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 4.587                               | 0.000 | 13   | 2          | 1            | 1  |
| PL.34605     | PL.43266    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.09            | 4.46                     | 11.30        | 6        | 82         | 11      | 99         | 0.06      | 0.1               | 4.700                               | 0.184 | 0    | 0          | 0            | 15 |
| PL.34609     | PL.34605    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.01            | 4.47                     | 10.16        | 5        | 73         | 10      | 99         | 0.00      | 0.0               | 4.718                               | 0.018 | 0    | 0          | 0            | 13 |
| PL.34610     | PL.34609    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.03            | 4.50                     | 10.16        | 5        | 73         | 10      | 99         | 0.01      | 0.0               | 4.778                               | 0.060 | 0    | 0          | 0            | 13 |
| PL.34607     | PL.34610    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.50                     | 7.43         | 4        | 54         | 7       | 99         | 0.00      | 0.0               | 4.783                               | 0.005 | 0    | 0          | 0            | 9  |
| PD.4893-A    | PL.34607    | C   | Closed             | 7.29Y     | 121.5        | 0.00            | 4.50                     | 7.43         | 0        | 54         | 7       | 99         | 0.00      | 0.0               | 4.783                               | 0.000 | 0    | 0          | 0            | 9  |
| PD.4893-B    | PD.4893-A   | C   | Closed             | 7.29Y     | 121.5        | 0.00            | 4.50                     | 7.43         | 0        | 54         | 7       | 99         | 0.00      | 0.0               | 4.783                               | 0.000 | 0    | 0          | 0            | 9  |
| PL.34608     | PD.4893-B   | C   | 4ACSR              | 7.29Y     | 121.5        | 0.02            | 4.52                     | 7.43         | 4        | 54         | 7       | 99         | 0.01      | 0.0               | 4.848                               | 0.065 | 0    | 0          | 0            | 9  |
| PL.1429      | PL.34608    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.52                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.896                               | 0.048 | 0    | 0          | 0            | 0  |
| PL.14182     | PL.34608    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.01            | 4.53                     | 7.43         | 4        | 54         | 7       | 99         | 0.00      | 0.0               | 4.875                               | 0.027 | 0    | 0          | 0            | 9  |
| PL.14183     | PL.14182    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.02            | 4.55                     | 5.76         | 3        | 42         | 6       | 99         | 0.01      | 0.0               | 4.957                               | 0.081 | 0    | 0          | 0            | 8  |
| PL.14184     | PL.14183    | C   | 4ACSR              | 7.29Y     | 121.4        | 0.01            | 4.56                     | 4.79         | 2        | 35         | 5       | 99         | 0.00      | 0.0               | 5.010                               | 0.053 | 0    | 0          | 0            | 6  |
| PL.43262     | PL.14184    | C   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.56                     | 2.86         | 1        | 21         | 3       | 99         | 0.00      | 0.0               | 5.019                               | 0.009 | 0    | 0          | 0            | 3  |
| PD.8237      | PL.43262    | C   | fuse6AMP           | 7.29Y     | 121.4        | 0.00            | 4.56                     | 2.86         | 49       | 21         | 3       | 99         | 0.00      | 0.0               | 5.019                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.43263     | PD.8237     | C   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.56                     | 2.86         | 1        | 21         | 3       | 99         | 0.00      | 0.0               | 5.031                               | 0.012 | 0    | 0          | 0            | 3  |
| PL.1430      | PL.43263    | C   | 4ACSR              | 7.29Y     | 121.4        | 0.01            | 4.57                     | 2.86         | 1        | 21         | 3       | 99         | 0.00      | 0.0               | 5.099                               | 0.068 | 0    | 0          | 0            | 3  |
| PL.1269      | PL.1430     | C   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.57                     | 0.90         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 5.217                               | 0.117 | 0    | 0          | 0            | 1  |
| 018927       | PL.1269     | C   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.57                     | 0.90         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 5.217                               | 0.000 | 7    | 1          | 1            | 1  |
| 018913       | PL.1430     | C   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.57                     | 1.61         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 5.099                               | 0.000 | 12   | 2          | 1            | 1  |
| 018916       | PL.1430     | C   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.57                     | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.099                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.34615     | PL.14184    | C   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.56                     | 1.93         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 5.016                               | 0.006 | 0    | 0          | 0            | 3  |
| PD.4898      | PL.34615    | C   | fuse6AMP           | 7.29Y     | 121.4        | 0.00            | 4.56                     | 1.93         | 33       | 14         | 2       | 99         | 0.00      | 0.0               | 5.016                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.43264     | PD.4898     | C   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.56                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.135                               | 0.119 | 0    | 0          | 0            | 2  |
| 018929       | PL.43264    | C   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.56                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.135                               | 0.000 | 0    | 0          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 018918       | PL.43264    | C   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.56                     | 0.69         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.135                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.34616     | PD.4898     | C   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.56                     | 1.20         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 5.072                               | 0.056 | 0    | 0          | 0            | 1 |
| PL.29271     | PL.34616    | C   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.56                     | 1.20         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 5.114                               | 0.043 | 0    | 0          | 0            | 1 |
| 018905       | PL.29271    | C   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.56                     | 1.20         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 5.114                               | 0.000 | 9    | 1          | 1            | 1 |
| 018909       | PL.14183    | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.55                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.957                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.34613     | PL.14183    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.55                     | 0.97         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.975                               | 0.019 | 0    | 0          | 0            | 2 |
| PD.4897      | PL.34613    | C   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.55                     | 0.97         | 17       | 7          | 1       | 99         | 0.00      | 0.0               | 4.975                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.34614     | PD.4897     | C   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.55                     | 0.97         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 5.041                               | 0.066 | 0    | 0          | 0            | 2 |
| 018914       | PL.34614    | C   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.55                     | 0.49         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 5.041                               | 0.000 | 4    | 0          | 1            | 1 |
| 018920       | PL.34614    | C   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.55                     | 0.48         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.041                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.34611     | PL.14182    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.53                     | 1.67         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 4.880                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.4896      | PL.34611    | C   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.53                     | 1.67         | 28       | 12         | 2       | 99         | 0.00      | 0.0               | 4.880                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.34612     | PD.4896     | C   | 4ACSR              | 7.29Y     | 121.5        | 0.01            | 4.53                     | 1.67         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 4.979                               | 0.099 | 0    | 0          | 0            | 1 |
| 018919       | PL.34612    | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.53                     | 1.67         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 4.979                               | 0.000 | 12   | 2          | 1            | 1 |
| PL.45167     | PL.34610    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.50                     | 2.73         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 4.804                               | 0.026 | 0    | 0          | 0            | 4 |
| PD.4894      | PL.45167    | C   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.50                     | 2.73         | 47       | 20         | 3       | 99         | 0.00      | 0.0               | 4.804                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.45168     | PD.4894     | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.50                     | 2.73         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 4.809                               | 0.005 | 0    | 0          | 0            | 4 |
| PL.45166     | PL.45168    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.01            | 4.51                     | 2.73         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 4.874                               | 0.065 | 0    | 0          | 0            | 4 |
| 018904       | PL.45166    | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.51                     | 1.02         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.874                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.1428      | PL.45166    | C   | 4ACSR              | 7.29Y     | 121.5        | 0.01            | 4.51                     | 1.71         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 4.948                               | 0.074 | 0    | 0          | 0            | 3 |
| PL.1431      | PL.1428     | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.51                     | 1.26         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 4.989                               | 0.041 | 0    | 0          | 0            | 2 |
| 018915       | PL.1431     | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.51                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.989                               | 0.000 | 0    | 0          | 0            | 0 |
| 018912       | PL.1431     | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.51                     | 0.20         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.989                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.1278      | PL.1431     | C   | 4ACSR              | 7.29Y     | 121.5        | 0.01            | 4.52                     | 1.06         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 5.109                               | 0.120 | 0    | 0          | 0            | 1 |
| 018928       | PL.1278     | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.52                     | 1.06         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 5.109                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.45778     | PL.1278     | C   | 2ACSR              | 7.29Y     | 121.5        | 0.00            | 4.52                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.612                               | 0.503 | 0    | 0          | 0            | 0 |
| 0189033      | PL.45778    | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.52                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.612                               | 0.000 | 0    | 0          | 0            | 0 |
| 018921       | PL.1428     | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.51                     | 0.46         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.948                               | 0.000 | 3    | 0          | 1            | 1 |
| 018907       | PL.34605    | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.46                     | 0.47         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.700                               | 0.000 | 3    | 0          | 1            | 1 |
| 018903       | PL.34605    | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.46                     | 0.67         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.700                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.34599     | PL.14179    | C   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.31                     | 2.11         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 4.411                               | 0.009 | 0    | 0          | 0            | 2 |
| PD.4890      | PL.34599    | C   | fuse6AMP           | 7.30Y     | 121.7        | 0.00            | 4.31                     | 2.11         | 36       | 15         | 2       | 99         | 0.00      | 0.0               | 4.411                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.34600     | PD.4890     | C   | 4ACSR              | 7.30Y     | 121.7        | 0.01            | 4.31                     | 2.11         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 4.488                               | 0.077 | 0    | 0          | 0            | 2 |
| 019945       | PL.34600    | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.31                     | 1.62         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 4.488                               | 0.000 | 12   | 2          | 1            | 1 |
| 019922       | PL.34600    | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.31                     | 0.49         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 4.488                               | 0.000 | 4    | 0          | 1            | 1 |
| 019949       | PL.14179    | C   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.31                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.402                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.34597     | PL.14178    | C   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.21                     | 3.11         | 2        | 23         | 3       | 99         | 0.00      | 0.0               | 4.271                               | 0.005 | 0    | 0          | 0            | 4 |
| PD.4889      | PL.34597    | C   | fuse6AMP           | 7.31Y     | 121.8        | 0.00            | 4.21                     | 3.11         | 53       | 23         | 3       | 99         | 0.00      | 0.0               | 4.271                               | 0.000 | 0    | 0          | 0            | 4 |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.34598     | PD.4889     | C   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.22                     | 3.11         | 2        | 23         | 3    | 99      | 0.00       | 0.0               | 4.293                               | 0.022 | 0    | 0          | 0            | 4         |
| PL.442       | PL.34598    | C   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.22                     | 1.61         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 4.303                               | 0.010 | 0    | 0          | 0            | 2         |
| PL.23802     | PL.442      | C   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.22                     | 1.61         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 4.347                               | 0.044 | 0    | 0          | 0            | 2         |
| 029218       | PL.23802    | C   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.22                     | 1.46         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 4.347                               | 0.000 | 11   | 1          | 1            | 1         |
| 029203       | PL.23802    | C   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.22                     | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.347                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.443       | PL.34598    | C   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.22                     | 1.50         | 1        | 11         | 1    | 100     | 0.00       | 0.0               | 4.356                               | 0.063 | 0    | 0          | 0            | 2         |
| 019946       | PL.443      | C   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.22                     | 1.19         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.356                               | 0.000 | 9    | 1          | 1            | 1         |
| 019902       | PL.443      | C   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.22                     | 0.32         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.356                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.34591     | PL.45417    | C   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.01                     | 3.71         | 2        | 27         | 4    | 99      | 0.00       | 0.0               | 4.035                               | 0.003 | 0    | 0          | 0            | 3         |
| PD.4886      | PL.34591    | C   | fuse6AMP           | 7.32Y     | 122.0        | 0.00            | 4.01                     | 3.71         | 63       | 27         | 4    | 99      | 0.00       | 0.0               | 4.035                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.34592     | PD.4886     | C   | 4ACSR              | 7.32Y     | 122.0        | 0.01            | 4.03                     | 3.71         | 2        | 27         | 4    | 99      | 0.00       | 0.0               | 4.124                               | 0.089 | 0    | 0          | 0            | 3         |
| 029207       | PL.34592    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.03                     | 1.45         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 4.124                               | 0.000 | 11   | 1          | 1            | 1         |
| 029202       | PL.34592    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.03                     | 1.53         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 4.124                               | 0.000 | 11   | 2          | 1            | 1         |
| 029212       | PL.34592    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.03                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.124                               | 0.000 | 0    | 0          | 0            | 0         |
| 029209       | PL.34592    | C   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.03                     | 0.73         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.124                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.45418     | PL.45416    | C   | 2ACSR              | 7.33Y     | 122.1        | 0.00            | 3.88                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.920                               | 0.008 | 0    | 0          | 0            | 0         |
| PD.8645      | PL.45418    | C   | fuse6AMP           | 7.33Y     | 122.1        | 0.00            | 3.88                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.920                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.45419     | PD.8645     | C   | 2ACSR              | 7.33Y     | 122.1        | 0.00            | 3.88                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.963                               | 0.043 | 0    | 0          | 0            | 0         |
| 0292025      | PL.45419    | C   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.88                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.963                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.18793     | PL.27909    | C   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.54                     | 1.18         | 1        | 9          | 1    | 99      | 0.00       | 0.0               | 3.643                               | 0.015 | 0    | 0          | 0            | 2         |
| PD.1167      | PL.18793    | C   | fuse6AMP           | 7.35Y     | 122.5        | 0.00            | 3.54                     | 1.18         | 20       | 9          | 1    | 99      | 0.00       | 0.0               | 3.643                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.18794     | PD.1167     | C   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.55                     | 1.18         | 1        | 9          | 1    | 99      | 0.00       | 0.0               | 3.696                               | 0.053 | 0    | 0          | 0            | 2         |
| 080207       | PL.18794    | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.55                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.696                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.7634      | PL.18794    | C   | 4ACSR              | 7.35Y     | 122.4        | 0.01            | 3.55                     | 1.17         | 1        | 9          | 1    | 99      | 0.00       | 0.0               | 3.809                               | 0.114 | 0    | 0          | 0            | 1         |
| 080201       | PL.7634     | C   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.55                     | 1.17         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 3.809                               | 0.000 | 9    | 1          | 1            | 1         |
| PL.4518      | PL.37838    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.65                     | 0.66         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 3.125                               | 0.047 | 0    | 0          | 0            | 2         |
| 071953       | PL.4518     | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.65                     | 0.65         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 3.125                               | 0.000 | 5    | 1          | 1            | 1         |
| 071957       | PL.4518     | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.65                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.125                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.37835     | PL.37825    | A   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.72                     | 9.75         | 4        | 72         | 10   | 99      | 0.00       | 0.0               | 3.058                               | 0.013 | 0    | 0          | 0            | 26        |
| PD.6246-A    | PL.37835    | A   | Closed             | 7.46Y     | 124.3        | 0.00            | 1.72                     | 9.75         | 0        | 72         | 10   | 99      | 0.00       | 0.0               | 3.058                               | 0.000 | 0    | 0          | 0            | 26        |
| PD.6246-B    | PD.6246-A   | A   | Closed             | 7.46Y     | 124.3        | 0.00            | 1.72                     | 9.75         | 0        | 72         | 10   | 99      | 0.00       | 0.0               | 3.058                               | 0.000 | 0    | 0          | 0            | 26        |
| PL.37840     | PD.6246-B   | A   | 2ACSR              | 7.46Y     | 124.3        | 0.01            | 1.74                     | 9.75         | 4        | 72         | 10   | 99      | 0.01       | 0.0               | 3.103                               | 0.045 | 0    | 0          | 0            | 26        |
| PL.37865     | PL.37840    | A   | 2ACSR              | 7.46Y     | 124.3        | 0.01            | 1.74                     | 9.40         | 4        | 69         | 10   | 99      | 0.00       | 0.0               | 3.129                               | 0.026 | 0    | 0          | 0            | 25        |
| PD.6253      | PL.37865    | A   | 50E                | 7.46Y     | 124.3        | 0.00            | 1.74                     | 9.40         | 19       | 69         | 10   | 99      | 0.00       | 0.0               | 3.129                               | 0.000 | 0    | 0          | 0            | 25        |
| PL.37866     | PD.6253     | A   | 2ACSR              | 7.45Y     | 124.2        | 0.04            | 1.78                     | 9.40         | 4        | 69         | 10   | 99      | 0.02       | 0.0               | 3.257                               | 0.128 | 0    | 0          | 0            | 25        |
| PL.37848     | PL.37866    | A   | 2ACSR              | 7.45Y     | 124.2        | 0.03            | 1.81                     | 9.05         | 4        | 67         | 9    | 99      | 0.01       | 0.0               | 3.354                               | 0.098 | 0    | 0          | 0            | 24        |
| PL.37867     | PL.37848    | A   | 2ACSR              | 7.45Y     | 124.2        | 0.01            | 1.82                     | 7.86         | 3        | 58         | 8    | 99      | 0.01       | 0.0               | 3.410                               | 0.055 | 0    | 0          | 0            | 23        |
| 081206       | PL.37867    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.82                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.410                               | 0.000 | 0    | 0          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.37868     | PL.37867    | A   | 2ACSR              | 7.45Y     | 124.2        | 0.00            | 1.82                     | 7.86         | 3        | 58         | 8       | 99         | 0.00      | 0.0               | 3.417                               | 0.007 | 0    | 0          | 0            | 22 |
| PL.37870     | PL.37868    | A   | 2ACSR              | 7.45Y     | 124.2        | 0.00            | 1.82                     | 7.86         | 3        | 58         | 8       | 99         | 0.00      | 0.0               | 3.429                               | 0.012 | 0    | 0          | 0            | 22 |
| PL.37871     | PL.37870    | A   | 2ACSR              | 7.45Y     | 124.2        | 0.01            | 1.83                     | 5.52         | 2        | 41         | 6       | 99         | 0.00      | 0.0               | 3.487                               | 0.058 | 0    | 0          | 0            | 16 |
| PL.37834     | PL.37871    | A   | 2ACSR              | 7.45Y     | 124.2        | 0.00            | 1.84                     | 5.52         | 2        | 41         | 6       | 99         | 0.00      | 0.0               | 3.515                               | 0.028 | 0    | 0          | 0            | 16 |
| PD.6245-A    | PL.37834    | A   | Closed             | 7.45Y     | 124.2        | 0.00            | 1.84                     | 5.52         | 0        | 41         | 6       | 99         | 0.00      | 0.0               | 3.515                               | 0.000 | 0    | 0          | 0            | 16 |
| PD.6245-B    | PD.6245-A   | A   | Closed             | 7.45Y     | 124.2        | 0.00            | 1.84                     | 5.52         | 0        | 41         | 6       | 99         | 0.00      | 0.0               | 3.515                               | 0.000 | 0    | 0          | 0            | 16 |
| PL.28635     | PD.6245-B   | A   | 4ACSR              | 7.45Y     | 124.1        | 0.03            | 1.86                     | 5.52         | 3        | 41         | 6       | 99         | 0.01      | 0.0               | 3.629                               | 0.114 | 0    | 0          | 0            | 16 |
| PL.24482     | PL.28635    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.87                     | 1.21         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 3.680                               | 0.051 | 0    | 0          | 0            | 2  |
| 081217       | PL.24482    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.87                     | 0.72         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.680                               | 0.000 | 5    | 1          | 1            | 1  |
| 081221       | PL.24482    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.87                     | 0.50         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.680                               | 0.000 | 4    | 1          | 1            | 1  |
| 081229       | PL.28635    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.86                     | 0.87         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.629                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.8320      | PL.28635    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.03            | 1.89                     | 3.44         | 2        | 25         | 4       | 99         | 0.00      | 0.0               | 3.802                               | 0.174 | 0    | 0          | 0            | 13 |
| PL.8318      | PL.8320     | A   | 4ACSR              | 7.45Y     | 124.1        | 0.01            | 1.90                     | 3.43         | 2        | 25         | 4       | 99         | 0.00      | 0.0               | 3.869                               | 0.067 | 0    | 0          | 0            | 12 |
| PL.24485     | PL.8318     | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.57         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.971                               | 0.102 | 0    | 0          | 0            | 2  |
| 081207       | PL.24485    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.971                               | 0.000 | 2    | 0          | 1            | 1  |
| 081215       | PL.24485    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.34         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.971                               | 0.000 | 3    | 0          | 1            | 1  |
| 081230       | PL.8318     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.869                               | 0.000 | 0    | 0          | 1            | 1  |
| 081232       | PL.8318     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.869                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.8347      | PL.8318     | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.90                     | 1.89         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 3.899                               | 0.030 | 0    | 0          | 0            | 8  |
| PL.15982     | PL.8347     | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.967                               | 0.068 | 0    | 0          | 0            | 6  |
| PD.573-A     | PL.15982    | A   | Closed             | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.967                               | 0.000 | 0    | 0          | 0            | 6  |
| PD.573-B     | PD.573-A    | A   | Closed             | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.967                               | 0.000 | 0    | 0          | 0            | 6  |
| PL.15983     | PD.573-B    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.980                               | 0.014 | 0    | 0          | 0            | 6  |
| 081225       | PL.15983    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.32         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.980                               | 0.000 | 2    | 0          | 1            | 1  |
| 081208       | PL.15983    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.980                               | 0.000 | 0    | 0          | 0            | 0  |
| 081210       | PL.15983    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.25         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.980                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.8349      | PL.15983    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.91                     | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.507                               | 0.527 | 0    | 0          | 0            | 1  |
| PL.7633      | PL.8349     | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.91                     | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.603                               | 0.096 | 0    | 0          | 0            | 1  |
| 080205       | PL.7633     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.91                     | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.603                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.24489     | PL.15983    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.91                     | 0.32         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.047                               | 0.067 | 0    | 0          | 0            | 3  |
| PL.8348      | PL.24489    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.91                     | 0.32         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.126                               | 0.079 | 0    | 0          | 0            | 3  |
| PL.14125     | PL.8348     | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.91                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.257                               | 0.131 | 0    | 0          | 0            | 1  |
| 081203       | PL.14125    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.91                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.257                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.14126     | PL.14125    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.91                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.397                               | 0.140 | 0    | 0          | 0            | 0  |
| PL.14127     | PL.14126    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.91                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.478                               | 0.082 | 0    | 0          | 0            | 0  |
| 081235       | PL.8348     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.91                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.126                               | 0.000 | 0    | 0          | 1            | 1  |
| 081204       | PL.8348     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.91                     | 0.20         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.126                               | 0.000 | 2    | 0          | 1            | 1  |
| 081216       | PL.8347     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.899                               | 0.000 | 5    | 1          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 081224       | PL.8347     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.32         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.899                               | 0.000 | 2    | 0          | 1            | 1 |
| 081212       | PL.8320     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.802                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.37872     | PL.37870    | A   | 2ACSR              | 7.45Y     | 124.2        | 0.00            | 1.82                     | 2.34         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 3.434                               | 0.005 | 0    | 0          | 0            | 6 |
| PD.6254      | PL.37872    | A   | fuse6AMP           | 7.45Y     | 124.2        | 0.00            | 1.82                     | 2.34         | 40       | 17         | 2       | 99         | 0.00      | 0.0               | 3.434                               | 0.000 | 0    | 0          | 0            | 6 |
| PL.37873     | PD.6254     | A   | 2ACSR              | 7.45Y     | 124.2        | 0.00            | 1.82                     | 2.34         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 3.451                               | 0.016 | 0    | 0          | 0            | 6 |
| PL.18709     | PL.37873    | A   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.83                     | 1.90         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 3.482                               | 0.031 | 0    | 0          | 0            | 5 |
| PL.19461     | PL.18709    | A   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.83                     | 0.97         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.510                               | 0.028 | 0    | 0          | 0            | 3 |
| 081219       | PL.19461    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.83                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.510                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.19462     | PL.19461    | A   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.83                     | 0.67         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.546                               | 0.035 | 0    | 0          | 0            | 2 |
| 081220       | PL.19462    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.83                     | 0.12         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.546                               | 0.000 | 1    | 0          | 1            | 1 |
| 081222       | PL.19462    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.83                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.546                               | 0.000 | 4    | 1          | 1            | 1 |
| 081223       | PL.18709    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.83                     | 0.44         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.482                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.24235     | PL.18709    | A   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.83                     | 0.49         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 3.510                               | 0.028 | 0    | 0          | 0            | 1 |
| 081234       | PL.24235    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.83                     | 0.49         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 3.510                               | 0.000 | 4    | 0          | 1            | 1 |
| 081231       | PL.37873    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.82                     | 0.44         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.451                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.37852     | PL.37848    | A   | 2ACSR              | 7.45Y     | 124.2        | 0.00            | 1.81                     | 1.19         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.360                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.6250      | PL.37852    | A   | fuse6AMP           | 7.45Y     | 124.2        | 0.00            | 1.81                     | 1.19         | 20       | 9          | 1       | 99         | 0.00      | 0.0               | 3.360                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.37853     | PD.6250     | A   | 2ACSR              | 7.45Y     | 124.2        | 0.00            | 1.81                     | 1.19         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.419                               | 0.059 | 0    | 0          | 0            | 1 |
| 071934       | PL.37853    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.81                     | 1.19         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.419                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.37850     | PL.37866    | A   | 2ACSR              | 7.45Y     | 124.2        | 0.00            | 1.78                     | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.264                               | 0.007 | 0    | 0          | 0            | 1 |
| PD.6249      | PL.37850    | A   | fuse6AMP           | 7.45Y     | 124.2        | 0.00            | 1.78                     | 0.35         | 6        | 3          | 0       | 100        | 0.00      | 0.0               | 3.264                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.37851     | PD.6249     | A   | 2ACSR              | 7.45Y     | 124.2        | 0.00            | 1.78                     | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.336                               | 0.072 | 0    | 0          | 0            | 1 |
| 071940       | PL.37851    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.78                     | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.336                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.37842     | PL.37840    | A   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.74                     | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.110                               | 0.008 | 0    | 0          | 0            | 1 |
| PD.6248      | PL.37842    | A   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.74                     | 0.35         | 6        | 3          | 0       | 100        | 0.00      | 0.0               | 3.110                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.37843     | PD.6248     | A   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.74                     | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.141                               | 0.030 | 0    | 0          | 0            | 1 |
| 071954       | PL.37843    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.74                     | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.141                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.37830     | PL.37824    | A   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.72                     | 0.64         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.035                               | 0.010 | 0    | 0          | 0            | 1 |
| PD.6244      | PL.37830    | A   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.72                     | 0.64         | 11       | 5          | 1       | 98         | 0.00      | 0.0               | 3.035                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.37831     | PD.6244     | A   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.72                     | 0.64         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.083                               | 0.048 | 0    | 0          | 0            | 1 |
| 071960       | PL.37831    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.72                     | 0.64         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.083                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.37803     | PL.37793    | C   | 2ACSR              | 7.41Y     | 123.6        | 0.00            | 2.42                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.582                               | 0.010 | 0    | 0          | 0            | 3 |
| PD.6238      | PL.37803    | C   | fuse6AMP           | 7.41Y     | 123.6        | 0.00            | 2.42                     | 0.94         | 16       | 7          | 1       | 99         | 0.00      | 0.0               | 2.582                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.45830     | PD.6238     | C   | 2ACSR              | 7.41Y     | 123.6        | 0.00            | 2.42                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.627                               | 0.045 | 0    | 0          | 0            | 3 |
| PL.45831     | PL.45830    | C   | 2ACSR              | 7.41Y     | 123.6        | 0.00            | 2.42                     | 0.65         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.653                               | 0.026 | 0    | 0          | 0            | 2 |
| PL.13998     | PL.45831    | C   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.42                     | 0.65         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.692                               | 0.038 | 0    | 0          | 0            | 2 |
| 071914       | PL.13998    | C   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.42                     | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.692                               | 0.000 | 2    | 0          | 1            | 1 |
| 071921       | PL.13998    | C   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.42                     | 0.40         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.692                               | 0.000 | 3    | 0          | 1            | 1 |



Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.45829, 071915, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 071879, PL.7629, PL.7630, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 070853       | PL.4532     | C   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.16   | 1.14         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 2.990                               | 0.000 | 8    | 1          | 1            | 1         |
| 070866       | PL.34748    | C   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.15   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.864                               | 0.000 | 0    | 0          | 1            | 1         |
| 070844       | PL.34748    | C   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.15   | 0.46         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.864                               | 0.000 | 3    | 0          | 1            | 1         |
| PL.23577     | PL.34748    | C   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.15   | 0.41         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.922                               | 0.058 | 0    | 0          | 0            | 2         |
| 0708076      | PL.23577    | C   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.15   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.922                               | 0.000 | 0    | 0          | 1            | 1         |
| 070845       | PL.23577    | C   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.15   | 0.41         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.922                               | 0.000 | 3    | 0          | 1            | 1         |
| 070854       | PL.25228    | C   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.10   | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.629                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.7631      | PL.13902    | A   | 336ACSR            | 7.42Y     | 123.6        | 0.01            | 2.37   | 5.81         | 1        | 43         | 6    | 99      | 0.05       | 0.0               | 2.524                               | 0.059 | 0    | 0          | 0            | 9         |
|              |             | B   |                    | 7.44Y     | 123.9        | 0.02            | 2.06   | 45.96        | 6        | 338        | 50   | 99      |            |                   |                                     |       | 0    | 0          | 0            | 62        |
|              |             | C   |                    | 7.44Y     | 124.0        | -0.02           | 2.03   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| 0718141      | PL.7631     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37   | 0.61         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.524                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.7632      | PL.7631     | A   | 336ACSR            | 7.42Y     | 123.6        | 0.01            | 2.38   | 5.20         | 1        | 38         | 5    | 99      | 0.04       | 0.0               | 2.568                               | 0.045 | 0    | 0          | 0            | 8         |
|              |             | B   |                    | 7.44Y     | 123.9        | 0.02            | 2.08   | 45.96        | 6        | 338        | 50   | 99      |            |                   |                                     |       | 0    | 0          | 0            | 62        |
|              |             | C   |                    | 7.44Y     | 124.0        | -0.01           | 2.02   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| PL.7626      | PL.7632     | A   | 336ACSR            | 7.42Y     | 123.6        | 0.01            | 2.39   | 3.86         | 1        | 28         | 4    | 99      | 0.05       | 0.0               | 2.630                               | 0.061 | 0    | 0          | 0            | 5         |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.02            | 2.10   | 45.96        | 6        | 338        | 50   | 99      |            |                   |                                     |       | 0    | 0          | 0            | 62        |
|              |             | C   |                    | 7.44Y     | 124.0        | -0.02           | 2.00   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| 071804       | PL.7626     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.630                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.34829     | PL.7626     | A   | 336ACSR            | 7.42Y     | 123.6        | 0.02            | 2.41   | 3.85         | 1        | 28         | 4    | 99      | 0.09       | 0.0               | 2.737                               | 0.107 | 0    | 0          | 0            | 4         |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.04            | 2.14   | 45.96        | 6        | 338        | 50   | 99      |            |                   |                                     |       | 0    | 0          | 0            | 62        |
|              |             | C   |                    | 7.44Y     | 124.0        | -0.03           | 1.97   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| PD.4968-A    | PL.34829    | A   | Closed             | 7.42Y     | 123.6        | 0.00            | 2.41   | 3.85         | 0        | 28         | 4    | 99      | 0.00       | 0.0               | 2.737                               | 0.000 | 0    | 0          | 0            | 4         |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.00            | 2.14   | 45.96        | 0        | 338        | 50   | 99      |            |                   |                                     |       | 0    | 0          | 0            | 62        |
|              |             | C   |                    | 7.44Y     | 124.0        | 0.00            | 1.97   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| PD.4968-B    | PD.4968-A   | A   | Closed             | 7.42Y     | 123.6        | 0.00            | 2.41   | 3.85         | 0        | 28         | 4    | 99      | 0.00       | 0.0               | 2.737                               | 0.000 | 0    | 0          | 0            | 4         |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.00            | 2.14   | 45.96        | 0        | 338        | 50   | 99      |            |                   |                                     |       | 0    | 0          | 0            | 62        |
|              |             | C   |                    | 7.44Y     | 124.0        | 0.00            | 1.97   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| PL.34830     | PD.4968-B   | A   | 336ACSR            | 7.41Y     | 123.6        | 0.01            | 2.42   | 3.85         | 1        | 28         | 4    | 99      | 0.02       | 0.0               | 2.767                               | 0.030 | 0    | 0          | 0            | 4         |
|              |             | B   |                    | 7.43Y     | 123.8        | 0.01            | 2.15   | 45.96        | 6        | 338        | 50   | 99      |            |                   |                                     |       | 0    | 0          | 0            | 62        |
|              |             | C   |                    | 7.44Y     | 124.0        | -0.01           | 1.96   | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| PL.13911     | PL.34830    | B   | 4ACSR              | 7.42Y     | 123.7        | 0.14            | 2.29   | 45.96        | 24       | 338        | 50   | 99      | 0.36       | 0.1               | 2.838                               | 0.071 | 0    | 0          | 0            | 62        |
| 071849       | PL.13911    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.29   | 1.03         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 2.838                               | 0.000 | 8    | 1          | 1            | 1         |
| 071803       | PL.13911    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.29   | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.838                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.13912     | PL.13911    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.21            | 2.50   | 44.63        | 23       | 328        | 48   | 99      | 0.52       | 0.2               | 2.947                               | 0.109 | 0    | 0          | 0            | 60        |
| PL.13913     | PL.13912    | B   | 4ACSR              | 7.39Y     | 123.2        | 0.26            | 2.76   | 44.46        | 23       | 326        | 48   | 99      | 0.64       | 0.2               | 3.082                               | 0.135 | 0    | 0          | 0            | 59        |
| PL.25227     | PL.13913    | B   | 4ACSR              | 7.39Y     | 123.1        | 0.12            | 2.87   | 44.46        | 23       | 325        | 47   | 99      | 0.29       | 0.1               | 3.142                               | 0.061 | 0    | 0          | 0            | 59        |
| PL.8076      | PL.25227    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.27            | 3.14   | 44.46        | 23       | 325        | 47   | 99      | 0.66       | 0.2               | 3.282                               | 0.140 | 0    | 0          | 0            | 59        |
| 070707       | PL.8076     | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.14   | 0.24         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.282                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.8077      | PL.8076     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.35            | 3.49   | 44.22        | 23       | 323        | 46   | 99      | 0.85       | 0.3               | 3.465                               | 0.183 | 0    | 0          | 0            | 58        |
| PL.15858     | PL.8077     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.49   | 1.41         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 3.471                               | 0.006 | 0    | 0          | 0            | 4         |
| PD.3211      | PL.15858    | B   | fuse6AMP           | 7.35Y     | 122.5        | 0.00            | 3.49   | 1.41         | 24       | 10         | 1    | 100     | 0.00       | 0.0               | 3.471                               | 0.000 | 0    | 0          | 0            | 4         |
| PL.15859     | PD.3211     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.49   | 1.41         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 3.513                               | 0.042 | 0    | 0          | 0            | 4         |
| PL.8082      | PL.15859    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.49   | 1.41         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 3.529                               | 0.016 | 0    | 0          | 0            | 3         |
| PL.4563      | PL.8082     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.49   | 1.41         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 3.580                               | 0.051 | 0    | 0          | 0            | 3         |
| PL.4564      | PL.4563     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.50   | 1.41         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 3.612                               | 0.032 | 0    | 0          | 0            | 3         |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements PL.4565 through PD.137-A.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for PD.137-B, PL.17876, PL.34763, C PD.4955, PL.34766, PL.34767, 018725, PL.13921, PL.13922, 018706, PL.13923, PL.433, 018733, 018728, PL.13924, PL.43745, 0187050, PL.43747, 0187053, 018730, 018739, 018712, PL.5935, 018735, 018731, PL.34765, PL.34769, 018701, 018721, 018746, PL.5937, PL.5938, PL.13925, 018711, 018726, PL.13926, PL.5939, PL.5940.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.17106     | PL.5940     | B   | 4ACSR              | 7.24Y     | 120.6        | 0.01            | 5.39                     | 2.77         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 5.410                               | 0.097 | 0    | 0          | 0            | 2 |
| 018738       | PL.17106    | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.39                     | 1.69         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 5.410                               | 0.000 | 12   | 2          | 1            | 1 |
| 018736       | PL.17106    | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.39                     | 1.08         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 5.410                               | 0.000 | 8    | 1          | 1            | 1 |
| 018729       | PL.17106    | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.39                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.410                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.30832     | PL.17106    | B   | 4ACSR              | 7.24Y     | 120.6        | 0.00            | 5.39                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.427                               | 0.017 | 0    | 0          | 0            | 0 |
| PD.138-B     | PL.30832    | B   | Open               | 7.24Y     | 120.6        | 0.00            | 5.39                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.427                               | 0.000 | 0    | 0          | 0            | 0 |
| 018718       | PL.5940     | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.38                     | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.313                               | 0.000 | 3    | 0          | 1            | 1 |
| 018719       | PL.5940     | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.38                     | 1.24         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 5.313                               | 0.000 | 9    | 1          | 1            | 1 |
| 018722       | PL.5940     | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.38                     | 0.58         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 5.313                               | 0.000 | 4    | 1          | 1            | 1 |
| 018717       | PL.5940     | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.38                     | 1.12         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 5.313                               | 0.000 | 8    | 1          | 1            | 1 |
| 018716       | PL.5939     | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.35                     | 1.26         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 5.205                               | 0.000 | 9    | 1          | 1            | 1 |
| 018713       | PL.5939     | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.35                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.205                               | 0.000 | 0    | 0          | 1            | 1 |
| 018714       | PL.5939     | B   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.35                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.205                               | 0.000 | 3    | 0          | 1            | 1 |
| 018703       | PL.5938     | B   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.26                     | 0.39         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.959                               | 0.000 | 3    | 0          | 1            | 1 |
| 018727       | PL.5937     | B   | Consumer           | 7.25Y     | 120.8        | 0.00            | 5.24                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.903                               | 0.000 | 0    | 0          | 1            | 1 |
| 018724       | PL.5937     | B   | Consumer           | 7.25Y     | 120.8        | 0.00            | 5.24                     | 0.81         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.903                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.43746     | PL.5936     | B   | 2ACSR              | 7.25Y     | 120.9        | 0.00            | 5.12                     | 1.41         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 4.779                               | 0.080 | 0    | 0          | 0            | 1 |
| 0187052      | PL.43746    | B   | Consumer           | 7.25Y     | 120.9        | 0.00            | 5.12                     | 1.41         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 4.779                               | 0.000 | 10   | 1          | 1            | 1 |
| 018707       | PL.33008    | B   | Consumer           | 7.26Y     | 121.0        | 0.00            | 5.03                     | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.601                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.34759     | PL.33008    | B   | 4ACSR              | 7.26Y     | 121.0        | 0.00            | 5.03                     | 3.72         | 2        | 27         | 4       | 99         | 0.00      | 0.0               | 4.609                               | 0.008 | 0    | 0          | 0            | 5 |
| PD.4953      | PL.34759    | B   | fuse6AMP           | 7.26Y     | 121.0        | 0.00            | 5.03                     | 3.72         | 64       | 27         | 4       | 99         | 0.00      | 0.0               | 4.609                               | 0.000 | 0    | 0          | 0            | 5 |
| PL.34760     | PD.4953     | B   | 4ACSR              | 7.26Y     | 121.0        | 0.01            | 5.04                     | 3.72         | 2        | 27         | 4       | 99         | 0.00      | 0.0               | 4.653                               | 0.044 | 0    | 0          | 0            | 5 |
| 018741       | PL.34760    | B   | Consumer           | 7.26Y     | 121.0        | 0.00            | 5.04                     | 0.64         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.653                               | 0.000 | 5    | 1          | 1            | 1 |
| 018747       | PL.34760    | B   | Consumer           | 7.26Y     | 121.0        | 0.00            | 5.04                     | 0.07         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.653                               | 0.000 | 0    | 0          | 1            | 1 |
| 018709       | PL.34760    | B   | Consumer           | 7.26Y     | 121.0        | 0.00            | 5.04                     | 1.42         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 4.653                               | 0.000 | 10   | 1          | 1            | 1 |
| 018737       | PL.34760    | B   | Consumer           | 7.26Y     | 121.0        | 0.00            | 5.04                     | 1.28         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.653                               | 0.000 | 9    | 1          | 1            | 1 |
| 018740       | PL.34760    | B   | Consumer           | 7.26Y     | 121.0        | 0.00            | 5.04                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.653                               | 0.000 | 0    | 0          | 0            | 0 |
| 018744       | PL.34760    | B   | Consumer           | 7.26Y     | 121.0        | 0.00            | 5.04                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.653                               | 0.000 | 2    | 0          | 1            | 1 |
| 019703       | PL.13919    | B   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.75                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.351                               | 0.000 | 2    | 0          | 1            | 1 |
| 019701       | PL.13919    | B   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.75                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.351                               | 0.000 | 3    | 0          | 1            | 1 |
| 019707       | PL.13919    | B   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.75                     | 0.60         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.351                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.34753     | PL.13917    | B   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.50                     | 1.60         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 4.144                               | 0.005 | 0    | 0          | 0            | 2 |
| PD.4950      | PL.34753    | B   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.50                     | 1.60         | 27       | 12         | 2       | 99         | 0.00      | 0.0               | 4.144                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.34754     | PD.4950     | B   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.50                     | 1.60         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 4.194                               | 0.049 | 0    | 0          | 0            | 2 |
| 019708       | PL.34754    | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.50                     | 0.81         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.194                               | 0.000 | 6    | 1          | 1            | 1 |
| 0197009      | PL.34754    | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.50                     | 0.79         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.194                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.34755     | PL.13917    | B   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.50                     | 1.04         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 4.151                               | 0.012 | 0    | 0          | 0            | 1 |
| PD.4951      | PL.34755    | B   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.50                     | 1.04         | 18       | 7          | 1       | 99         | 0.00      | 0.0               | 4.151                               | 0.000 | 0    | 0          | 0            | 1 |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and '-Base Voltage:120.0-'.



Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 0718124, PL.34743, PD.4945, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PL.13960, PL.13961, PL.4809, etc.

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.13964, 019805, PL.13965, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| 019865       | PL.1285     | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.503                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.45267     | PL.21151    | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.89         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.444                               | 0.003 | 0    | 0          | 0            | 1   |
| PD.8639      | PL.45267    | B   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.89         | 15       | 7          | 1       | 99         | 0.00      | 0.0               | 3.444                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.45268     | PD.8639     | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.89         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.457                               | 0.013 | 0    | 0          | 0            | 1   |
| 019834       | PL.45268    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.89         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.457                               | 0.000 | 7    | 1          | 1            | 1   |
| 019840       | PL.21150    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.74         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.432                               | 0.000 | 5    | 1          | 1            | 1   |
| PL.45265     | PL.45263    | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.32                     | 1.93         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 3.409                               | 0.004 | 0    | 0          | 0            | 2   |
| PD.8638      | PL.45265    | B   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 1.93         | 33       | 14         | 2       | 99         | 0.00      | 0.0               | 3.409                               | 0.000 | 0    | 0          | 0            | 2   |
| PL.45266     | PD.8638     | B   | 4ACSR              | 7.42Y     | 123.7        | 0.01            | 2.32                     | 1.93         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 3.499                               | 0.090 | 0    | 0          | 0            | 2   |
| 019829       | PL.45266    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 1.19         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.499                               | 0.000 | 9    | 1          | 1            | 1   |
| 019853       | PL.45266    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.74         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.499                               | 0.000 | 5    | 1          | 1            | 1   |
| PL.1448      | PL.13966    | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.29                     | 0.69         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.381                               | 0.092 | 0    | 0          | 0            | 3   |
| 019809       | PL.1448     | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.29                     | 0.39         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.381                               | 0.000 | 3    | 0          | 1            | 1   |
| 019860       | PL.1448     | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.29                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.381                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.1273      | PL.1448     | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.29                     | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.435                               | 0.054 | 0    | 0          | 0            | 1   |
| 0188145      | PL.1273     | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.29                     | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.435                               | 0.000 | 2    | 0          | 1            | 1   |
| 019847       | PL.20246    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.24                     | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.149                               | 0.000 | 1    | 0          | 1            | 1   |
| 019862       | PL.20246    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.24                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.149                               | 0.000 | 0    | 0          | 1            | 1   |
| 019807       | PL.20246    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.24                     | 0.20         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.149                               | 0.000 | 1    | 0          | 1            | 1   |
| PL.45260     | PL.20246    | B   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.24                     | 0.67         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.156                               | 0.007 | 0    | 0          | 0            | 1   |
| PD.8636      | PL.45260    | B   | fuse6AMP           | 7.43Y     | 123.8        | 0.00            | 2.24                     | 0.67         | 12       | 5          | 1       | 98         | 0.00      | 0.0               | 3.156                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.45261     | PD.8636     | B   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.24                     | 0.67         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.178                               | 0.023 | 0    | 0          | 0            | 1   |
| 019866       | PL.45261    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.24                     | 0.67         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.178                               | 0.000 | 5    | 1          | 1            | 1   |
| PL.19003     | PL.5989     | A   | 336ACSR            | 7.36Y     | 122.7        | 0.05            | 3.28                     | 81.95        | 11       | 594        | 109     | 98         | 0.26      | 0.0               | 3.144                               | 0.085 | 0    | 0          | 0            | 100 |
|              |             | B   |                    | 7.43Y     | 123.8        | -0.00           | 2.21                     | 34.23        | 5        | 250        | 46      | 98         |           |                   | 0                                   | 0     | 0    | 0          | 36           |     |
|              |             | C   |                    | 7.39Y     | 123.1        | 0.05            | 2.89                     | 52.07        | 7        | 377        | 75      | 98         |           |                   | 0                                   | 0     | 0    | 0          | 47           |     |
| 019803       | PL.19003    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.144                               | 0.000 | 0    | 0          | 1            | 1   |
| 019816       | PL.19003    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.144                               | 0.000 | 2    | 0          | 1            | 1   |
| PL.19004     | PL.19003    | A   | 336ACSR            | 7.36Y     | 122.7        | 0.03            | 3.31                     | 81.95        | 11       | 594        | 108     | 98         | 0.16      | 0.0               | 3.195                               | 0.050 | 0    | 0          | 0            | 100 |
|              |             | B   |                    | 7.43Y     | 123.8        | -0.00           | 2.20                     | 33.94        | 5        | 248        | 46      | 98         |           |                   | 0                                   | 0     | 0    | 0          | 34           |     |
|              |             | C   |                    | 7.38Y     | 123.1        | 0.03            | 2.92                     | 52.07        | 7        | 377        | 75      | 98         |           |                   | 0                                   | 0     | 0    | 0          | 47           |     |
| PL.13969     | PL.19004    | A   | 336ACSR            | 7.36Y     | 122.7        | 0.03            | 3.35                     | 81.38        | 11       | 589        | 107     | 98         | 0.19      | 0.0               | 3.257                               | 0.063 | 0    | 0          | 0            | 99  |
|              |             | B   |                    | 7.43Y     | 123.8        | -0.00           | 2.20                     | 32.77        | 4        | 239        | 44      | 98         |           |                   | 0                                   | 0     | 0    | 0          | 31           |     |
|              |             | C   |                    | 7.38Y     | 123.0        | 0.04            | 2.96                     | 52.07        | 7        | 377        | 75      | 98         |           |                   | 0                                   | 0     | 0    | 0          | 47           |     |
| PL.13970     | PL.13969    | A   | 336ACSR            | 7.36Y     | 122.6        | 0.03            | 3.37                     | 78.17        | 11       | 566        | 104     | 98         | 0.15      | 0.0               | 3.308                               | 0.051 | 0    | 0          | 0            | 94  |
|              |             | B   |                    | 7.43Y     | 123.8        | -0.00           | 2.20                     | 32.77        | 4        | 239        | 44      | 98         |           |                   | 0                                   | 0     | 0    | 0          | 31           |     |
|              |             | C   |                    | 7.38Y     | 123.0        | 0.03            | 2.99                     | 52.07        | 7        | 377        | 75      | 98         |           |                   | 0                                   | 0     | 0    | 0          | 47           |     |
| PL.13971     | PL.13970    | A   | 336ACSR            | 7.36Y     | 122.6        | 0.01            | 3.39                     | 78.17        | 11       | 566        | 103     | 98         | 0.08      | 0.0               | 3.337                               | 0.029 | 0    | 0          | 0            | 94  |
|              |             | B   |                    | 7.43Y     | 123.8        | -0.00           | 2.20                     | 32.51        | 4        | 237        | 44      | 98         |           |                   | 0                                   | 0     | 0    | 0          | 30           |     |
|              |             | C   |                    | 7.38Y     | 123.0        | 0.02            | 3.00                     | 52.07        | 7        | 377        | 75      | 98         |           |                   | 0                                   | 0     | 0    | 0          | 47           |     |
| PL.13416     | PL.13971    | A   | 336ACSR            | 7.36Y     | 122.6        | 0.01            | 3.40                     | 78.17        | 11       | 566        | 103     | 98         | 0.08      | 0.0               | 3.364                               | 0.027 | 0    | 0          | 0            | 94  |
|              |             | B   |                    | 7.43Y     | 123.8        | -0.00           | 2.19                     | 32.49        | 4        | 237        | 44      | 98         |           |                   | 0                                   | 0     | 0    | 0          | 29           |     |
|              |             | C   |                    | 7.38Y     | 123.0        | 0.02            | 3.02                     | 52.07        | 7        | 377        | 75      | 98         |           |                   | 0                                   | 0     | 0    | 0          | 47           |     |
| 0188187      | PL.13416    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.19                     | 1.12         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.364                               | 0.000 | 8    | 1          | 1            | 1   |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 0188143, PL.13415, PL.44628, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name        | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|---------------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|                     |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PD.2521             | PL.38803    | C   | fuse6AMP           | 7.37Y     | 122.8        | 0.00            | 3.23                     | 1.35         | 23       | 10         | 1    | 100     | 0.00       | 0.0               | 4.033             | 0.000          | 0          | 0            | 0  | 3    |
| PL.17270            | PD.2521     | C   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.23                     | 1.35         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 4.074             | 0.041          | 0          | 0            | 0  | 3    |
| 0188166             | PL.17270    | C   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.23                     | 0.67         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.074             | 0.000          | 5          | 1            | 1  | 1    |
| 018842              | PL.17270    | C   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.23                     | 0.68         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.074             | 0.000          | 5          | 1            | 1  | 1    |
| PL.5736             | PL.17270    | C   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.142             | 0.069          | 0          | 0            | 0  | 1    |
| 018806              | PL.5736     | C   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.142             | 0.000          | 0          | 0            | 1  | 1    |
| PL.38805            | PL.38804    | A   | 336ACSR            | 7.35Y     | 122.6        | 0.00            | 3.45                     | 14.87        | 2        | 107        | 24   | 98      | 0.00       | 0.0               | 4.042             | 0.020          | 0          | 0            | 0  | 8    |
|                     |             | B   |                    | 7.42Y     | 123.7        | 0.00            | 2.33                     | 17.06        | 2        | 126        | 15   | 99      |            |                   |                   |                | 0          | 0            | 0  | 14   |
|                     |             | C   |                    | 7.37Y     | 122.8        | 0.00            | 3.23                     | 14.70        | 2        | 106        | 20   | 98      |            |                   |                   |                | 0          | 0            | 0  | 9    |
| 0188151             | PL.38805    | C   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.23                     | 1.04         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.042             | 0.000          | 8          | 1            | 1  | 1    |
| PL.5991             | PL.38805    | A   | 336ACSR            | 7.35Y     | 122.5        | 0.01            | 3.45                     | 14.87        | 2        | 107        | 24   | 98      | 0.01       | 0.0               | 4.090             | 0.048          | 0          | 0            | 0  | 8    |
|                     |             | B   |                    | 7.42Y     | 123.7        | 0.00            | 2.33                     | 17.06        | 2        | 126        | 15   | 99      |            |                   |                   |                | 0          | 0            | 0  | 14   |
|                     |             | C   |                    | 7.37Y     | 122.8        | 0.00            | 3.24                     | 13.66        | 2        | 99         | 19   | 98      |            |                   |                   |                | 0          | 0            | 0  | 8    |
| PL.13944            | PL.5991     | A   | 336ACSR            | 7.35Y     | 122.5        | 0.01            | 3.46                     | 14.87        | 2        | 107        | 24   | 98      | 0.01       | 0.0               | 4.136             | 0.045          | 0          | 0            | 0  | 8    |
|                     |             | B   |                    | 7.42Y     | 123.7        | 0.00            | 2.34                     | 17.06        | 2        | 126        | 15   | 99      |            |                   |                   |                | 0          | 0            | 0  | 14   |
|                     |             | C   |                    | 7.37Y     | 122.8        | 0.00            | 3.24                     | 13.66        | 2        | 99         | 19   | 98      |            |                   |                   |                | 0          | 0            | 0  | 8    |
| PL.1464             | PL.13944    | A   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.46                     | 0.19         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.172             | 0.036          | 0          | 0            | 0  | 1    |
| 018845              | PL.1464     | A   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.46                     | 0.19         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.172             | 0.000          | 1          | 0            | 1  | 1    |
| PL.27599            | PL.13944    | C   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.24                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.194             | 0.058          | 0          | 0            | 0  | 0    |
| PD.2520             | PL.27599    | C   | fuse6AMP           | 7.37Y     | 122.8        | 0.00            | 3.24                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.194             | 0.000          | 0          | 0            | 0  | 0    |
| PL.27600            | PD.2520     | C   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.24                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.252             | 0.058          | 0          | 0            | 0  | 0    |
| 018887              | PL.27600    | C   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.24                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.252             | 0.000          | 0          | 0            | 0  | 0    |
| PL.13945            | PL.13944    | A   | 336ACSR            | 7.35Y     | 122.5        | 0.00            | 3.46                     | 14.68        | 2        | 105        | 24   | 97      | 0.00       | 0.0               | 4.161             | 0.025          | 0          | 0            | 0  | 7    |
|                     |             | B   |                    | 7.42Y     | 123.7        | 0.00            | 2.34                     | 17.06        | 2        | 126        | 15   | 99      |            |                   |                   |                | 0          | 0            | 0  | 14   |
|                     |             | C   |                    | 7.37Y     | 122.8        | 0.00            | 3.24                     | 13.66        | 2        | 99         | 19   | 98      |            |                   |                   |                | 0          | 0            | 0  | 8    |
| PL.27601            | PL.13945    | A   | 336ACSR            | 7.35Y     | 122.5        | 0.00            | 3.46                     | 13.99        | 2        | 101        | 22   | 98      | 0.00       | 0.0               | 4.171             | 0.010          | 0          | 0            | 0  | 5    |
|                     |             | B   |                    | 7.42Y     | 123.7        | 0.00            | 2.34                     | 17.06        | 2        | 126        | 15   | 99      |            |                   |                   |                | 0          | 0            | 0  | 14   |
|                     |             | C   |                    | 7.37Y     | 122.8        | 0.00            | 3.24                     | 13.66        | 2        | 99         | 19   | 98      |            |                   |                   |                | 0          | 0            | 0  | 8    |
| C PD.2554<br>C<br>C | PL.27601    | A   | fuse6AMP           | 7.35Y     | 122.5        | 0.00            | 3.46                     | 13.99        | 239      | 101        | 22   | 98      | 0.00       | 0.0               | 4.171             | 0.000          | 0          | 0            | 0  | 5 C  |
|                     |             | B   |                    | 7.42Y     | 123.7        | 0.00            | 2.34                     | 17.06        | 291      | 126        | 15   | 99      |            |                   |                   |                | 0          | 0            | 0  | 14 C |
|                     |             | C   |                    | 7.37Y     | 122.8        | 0.00            | 3.24                     | 13.66        | 233      | 99         | 19   | 98      |            |                   |                   |                | 0          | 0            | 0  | 8 C  |
| PL.27602            | PD.2554     | A   | 336ACSR            | 7.35Y     | 122.5        | 0.01            | 3.47                     | 13.99        | 2        | 101        | 22   | 98      | 0.01       | 0.0               | 4.220             | 0.049          | 0          | 0            | 0  | 5    |
|                     |             | B   |                    | 7.42Y     | 123.7        | 0.00            | 2.34                     | 17.06        | 2        | 126        | 15   | 99      |            |                   |                   |                | 0          | 0            | 0  | 14   |
|                     |             | C   |                    | 7.37Y     | 122.8        | 0.00            | 3.24                     | 13.66        | 2        | 99         | 19   | 98      |            |                   |                   |                | 0          | 0            | 0  | 8    |
| 0188118             | PL.27602    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.34                     | 0.83         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.220             | 0.000          | 6          | 1            | 1  | 1    |
| 018891              | PL.27602    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.34                     | 1.56         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 4.220             | 0.000          | 11         | 2            | 1  | 1    |
| PL.13946            | PL.27602    | A   | 336ACSR            | 7.35Y     | 122.5        | 0.01            | 3.48                     | 13.99        | 2        | 101        | 22   | 98      | 0.01       | 0.0               | 4.300             | 0.081          | 0          | 0            | 0  | 5    |
|                     |             | B   |                    | 7.42Y     | 123.6        | 0.01            | 2.35                     | 14.66        | 2        | 108        | 12   | 99      |            |                   |                   |                | 0          | 0            | 0  | 12   |
|                     |             | C   |                    | 7.37Y     | 122.8        | 0.01            | 3.25                     | 13.66        | 2        | 99         | 19   | 98      |            |                   |                   |                | 0          | 0            | 0  | 8    |
| PL.27891            | PL.13946    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.25                     | 0.60         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 4.394             | 0.093          | 0          | 0            | 0  | 1    |
| 017816              | PL.27891    | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.25                     | 0.60         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 4.394             | 0.000          | 4          | 1            | 1  | 1    |
| PL.17115            | PL.13946    | A   | 336ACSR            | 7.35Y     | 122.5        | 0.00            | 3.48                     | 13.99        | 2        | 101        | 22   | 98      | 0.01       | 0.0               | 4.363             | 0.062          | 0          | 0            | 0  | 5    |
|                     |             | B   |                    | 7.42Y     | 123.6        | 0.00            | 2.35                     | 6.58         | 1        | 49         | 4    | 100     |            |                   |                   |                | 0          | 0            | 0  | 1    |
|                     |             | C   |                    | 7.36Y     | 122.7        | 0.01            | 3.26                     | 13.06        | 2        | 95         | 18   | 98      |            |                   |                   |                | 0          | 0            | 0  | 7    |
| PD.140-A            | PL.17115    | A   | Closed             | 7.35Y     | 122.5        | 0.00            | 3.48                     | 13.99        | 0        | 101        | 22   | 98      | 0.00       | 0.0               | 4.363             | 0.000          | 0          | 0            | 0  | 5    |
|                     |             | B   |                    | 7.42Y     | 123.6        | 0.00            | 2.35                     | 6.58         | 0        | 49         | 4    | 100     |            |                   |                   |                | 0          | 0            | 0  | 1    |
|                     |             | C   |                    | 7.36Y     | 122.7        | 0.00            | 3.26                     | 13.06        | 0        | 95         | 18   | 98      |            |                   |                   |                | 0          | 0            | 0  | 7    |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for elements PD.140-B, PL.17116, PL.5985, 017853, PL.13948, PL.13949, 017846, 017811, PL.13950, PL.13951, 017839, PL.41002, 0178056, PL.41003, PL.13952, PL.17119, PD.2528, PL.17120, 017831, 017841, 017855, PL.13953, PL.13954, PL.18834, PD.2516, PL.18835.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |   |
| 017837       | PL.18835    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.339             | 0.000 | 0          | 0            | 1    | 1 |
| PL.5988      | PL.18835    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.69         | 0        | 5          | 2         | 93         | 0.00      | 0.0               | 5.397             | 0.058 | 0          | 0            | 0    | 1 |
| 017815       | PL.5988     | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.69         | 0        | 5          | 2         | 93         | 0.00      | 0.0               | 5.397             | 0.000 | 5          | 2            | 1    | 1 |
| 017813       | PL.13953    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 2.58         | 0        | 17         | 8         | 90         | 0.00      | 0.0               | 5.303             | 0.000 | 17         | 8            | 1    | 1 |
| 017842       | PL.13952    | A   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.51                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.191             | 0.000 | 0          | 0            | 0    | 0 |
| 017844       | PL.13948    | A   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.50                     | 6.64         | 0        | 49         | 4         | 100        | 0.00      | 0.0               | 4.491             | 0.000 | 49         | 4            | 0    | 0 |
|              |             | B   |                    | 7.42Y     | 123.6        | 0.00            | 2.36                     | 6.58         | 0        | 49         | 4         | 100        |           |                   | 49                |       | 49         | 4            | 0    | 0 |
|              |             | C   |                    | 7.36Y     | 122.7        | 0.00            | 3.28                     | 6.63         | 0        | 49         | 4         | 100        |           |                   | 49                |       | 49         | 4            | 0    | 0 |
| PL.27620     | PL.17116    | A   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.49                     | 1.33         | 1        | 10         | 1         | 100        | 0.00      | 0.0               | 4.441             | 0.019 | 0          | 0            | 0    | 1 |
| PD.2518      | PL.27620    | A   | fuse8AMP           | 7.35Y     | 122.5        | 0.00            | 3.49                     | 1.33         | 18       | 10         | 1         | 100        | 0.00      | 0.0               | 4.441             | 0.000 | 0          | 0            | 0    | 1 |
| PL.27621     | PD.2518     | A   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.49                     | 1.33         | 1        | 10         | 1         | 100        | 0.00      | 0.0               | 4.458             | 0.017 | 0          | 0            | 0    | 1 |
| PL.1260      | PL.27621    | A   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.49                     | 1.33         | 1        | 10         | 1         | 100        | 0.00      | 0.0               | 4.493             | 0.036 | 0          | 0            | 0    | 1 |
| 017819       | PL.1260     | A   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.49                     | 1.33         | 0        | 10         | 1         | 100        | 0.00      | 0.0               | 4.493             | 0.000 | 10         | 1            | 1    | 1 |
| PL.17113     | PL.17116    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.27                     | 3.32         | 2        | 24         | 3         | 99         | 0.00      | 0.0               | 4.435             | 0.012 | 0          | 0            | 0    | 4 |
| PD.2519      | PL.17113    | C   | fuse8AMP           | 7.36Y     | 122.7        | 0.00            | 3.27                     | 3.32         | 45       | 24         | 3         | 99         | 0.00      | 0.0               | 4.435             | 0.000 | 0          | 0            | 0    | 4 |
| PL.17114     | PD.2519     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.02            | 3.28                     | 3.32         | 2        | 24         | 3         | 99         | 0.00      | 0.0               | 4.555             | 0.120 | 0          | 0            | 0    | 4 |
| PL.19889     | PL.17114    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.29                     | 2.85         | 1        | 21         | 3         | 99         | 0.00      | 0.0               | 4.606             | 0.051 | 0          | 0            | 0    | 3 |
| PL.19890     | PL.19889    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.30                     | 2.52         | 1        | 18         | 3         | 99         | 0.00      | 0.0               | 4.653             | 0.048 | 0          | 0            | 0    | 2 |
| PL.1266      | PL.19890    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.30                     | 1.44         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 4.714             | 0.060 | 0          | 0            | 0    | 1 |
| PL.1267      | PL.1266     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.750             | 0.036 | 0          | 0            | 0    | 0 |
| 017828       | PL.1266     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.30                     | 1.44         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 4.714             | 0.000 | 11         | 1            | 1    | 1 |
| 0178058      | PL.1266     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.714             | 0.000 | 0          | 0            | 0    | 0 |
| 017836       | PL.1266     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.714             | 0.000 | 0          | 0            | 0    | 0 |
| PL.5986      | PL.19890    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.30                     | 1.08         | 1        | 8          | 1         | 99         | 0.00      | 0.0               | 4.732             | 0.079 | 0          | 0            | 0    | 1 |
| PL.17117     | PL.5986     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.739             | 0.007 | 0          | 0            | 0    | 0 |
| PD.2517      | PL.17117    | C   | fuse6AMP           | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.739             | 0.000 | 0          | 0            | 0    | 0 |
| 017849       | PL.5986     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.30                     | 1.08         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 4.732             | 0.000 | 8          | 1            | 1    | 1 |
| 017850       | PL.19889    | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.29                     | 0.32         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 4.606             | 0.000 | 2          | 0            | 1    | 1 |
| 017804       | PL.17114    | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.28                     | 0.47         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 4.555             | 0.000 | 3          | 0            | 1    | 1 |
| 017812       | PL.17116    | A   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.49                     | 1.63         | 0        | 12         | 2         | 99         | 0.00      | 0.0               | 4.422             | 0.000 | 12         | 2            | 1    | 1 |
| PL.20465     | PL.13946    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.36                     | 6.28         | 3        | 46         | 6         | 99         | 0.00      | 0.0               | 4.333             | 0.032 | 0          | 0            | 0    | 9 |
| PL.5984      | PL.20465    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.02            | 2.38                     | 5.96         | 3        | 44         | 6         | 99         | 0.01      | 0.0               | 4.406             | 0.074 | 0          | 0            | 0    | 8 |
| 0178057      | PL.5984     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.406             | 0.000 | 0          | 0            | 0    | 0 |
| 017834       | PL.5984     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.406             | 0.000 | 0          | 0            | 0    | 0 |
| 017823       | PL.5984     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 1.61         | 0        | 12         | 2         | 99         | 0.00      | 0.0               | 4.406             | 0.000 | 12         | 2            | 1    | 1 |
| PL.1265      | PL.5984     | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.88         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 4.461             | 0.055 | 0          | 0            | 0    | 2 |
| 017833       | PL.1265     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.23         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 4.461             | 0.000 | 2          | 0            | 1    | 1 |
| 017847       | PL.1265     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.65         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 4.461             | 0.000 | 5          | 1            | 1    | 1 |
| PL.1261      | PL.5984     | B   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.39                     | 3.47         | 2        | 26         | 4         | 99         | 0.00      | 0.0               | 4.505             | 0.099 | 0          | 0            | 0    | 5 |



Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| 017835       | PL.1261     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.89         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.505                               | 0.000 | 7    | 1          | 1            | 1    |
| PL.46520     | PL.1261     | B   | 2ACSR              | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.681                               | 0.176 | 0    | 0          | 0            | 0    |
| 0178059      | PL.46520    | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.681                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.1262      | PL.1261     | B   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.40                     | 2.58         | 1        | 19         | 3       | 99         | 0.00      | 0.0               | 4.551                               | 0.046 | 0    | 0          | 0            | 4    |
| PL.1263      | PL.1262     | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 1.43         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 4.594                               | 0.042 | 0    | 0          | 0            | 3    |
| 017829       | PL.1263     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.594                               | 0.000 | 4    | 1          | 1            | 1    |
| PL.1264      | PL.1263     | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.90         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.634                               | 0.040 | 0    | 0          | 0            | 2    |
| PL.1270      | PL.1264     | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.51         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.703                               | 0.070 | 0    | 0          | 0            | 1    |
| 017854       | PL.1270     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.51         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.703                               | 0.000 | 4    | 1          | 1            | 1    |
| 017817       | PL.1264     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.39         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.634                               | 0.000 | 3    | 0          | 1            | 1    |
| 017825       | PL.1262     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 1.16         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 4.551                               | 0.000 | 8    | 1          | 1            | 1    |
| 017832       | PL.20465    | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.36                     | 0.32         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.333                               | 0.000 | 2    | 0          | 1            | 1    |
| PL.17112     | PL.13946    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.35                     | 1.80         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 4.332                               | 0.031 | 0    | 0          | 0            | 2    |
| PL.1259      | PL.17112    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.35                     | 1.01         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 4.366                               | 0.035 | 0    | 0          | 0            | 1    |
| 017827       | PL.1259     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.35                     | 1.01         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.366                               | 0.000 | 7    | 1          | 1            | 1    |
| 017822       | PL.17112    | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.35                     | 0.79         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.332                               | 0.000 | 6    | 1          | 1            | 1    |
| 018866       | PL.13945    | A   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.46                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.161                               | 0.000 | 0    | 0          | 1            | 1    |
| 018804       | PL.13945    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.34                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.161                               | 0.000 | 0    | 0          | 0            | 0    |
| 0188137      | PL.13945    | A   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.46                     | 0.71         | 0        | 5          | 2       | 93         | 0.00      | 0.0               | 4.161                               | 0.000 | 5    | 2          | 1            | 1    |
| PL.19996     | PL.17892    | C   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.22                     | 6.61         | 3        | 48         | 7       | 99         | 0.00      | 0.0               | 3.871                               | 0.007 | 0    | 0          | 0            | 10   |
| C PD.2522    | PL.19996    | C   | fuse8AMP           | 7.37Y     | 122.8        | 0.00            | 3.22                     | 6.61         | 90       | 48         | 7       | 99         | 0.00      | 0.0               | 3.871                               | 0.000 | 0    | 0          | 0            | 10 C |
| PL.19997     | PD.2522     | C   | 4ACSR              | 7.37Y     | 122.8        | 0.03            | 3.25                     | 6.61         | 3        | 48         | 7       | 99         | 0.01      | 0.0               | 3.987                               | 0.116 | 0    | 0          | 0            | 10   |
| PL.38795     | PL.19997    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.26                     | 5.50         | 3        | 40         | 6       | 99         | 0.00      | 0.0               | 4.038                               | 0.052 | 0    | 0          | 0            | 8    |
| PL.1460      | PL.38795    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.27                     | 5.50         | 3        | 40         | 6       | 99         | 0.00      | 0.0               | 4.061                               | 0.023 | 0    | 0          | 0            | 8    |
| PL.1461      | PL.1460     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.28                     | 2.37         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 4.202                               | 0.141 | 0    | 0          | 0            | 4    |
| PL.1462      | PL.1461     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.28                     | 1.15         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 4.264                               | 0.062 | 0    | 0          | 0            | 2    |
| PL.5994      | PL.1462     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.28                     | 1.15         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 4.265                               | 0.001 | 0    | 0          | 0            | 2    |
| 0188165      | PL.5994     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.28                     | 0.79         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.265                               | 0.000 | 6    | 1          | 1            | 1    |
| PL.5995      | PL.5994     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.29                     | 0.36         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.322                               | 0.057 | 0    | 0          | 0            | 1    |
| 018871       | PL.5995     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.29                     | 0.36         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.322                               | 0.000 | 3    | 0          | 1            | 1    |
| 018863       | PL.1461     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.28                     | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.202                               | 0.000 | 3    | 0          | 1            | 1    |
| 0188160      | PL.1461     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.28                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.202                               | 0.000 | 6    | 1          | 1            | 1    |
| PL.1459      | PL.1460     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.27                     | 0.57         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.085                               | 0.024 | 0    | 0          | 0            | 1    |
| 018859       | PL.1459     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.27                     | 0.57         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.085                               | 0.000 | 4    | 1          | 1            | 1    |
| PL.1458      | PL.1460     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.27                     | 2.57         | 1        | 19         | 3       | 99         | 0.00      | 0.0               | 4.119                               | 0.058 | 0    | 0          | 0            | 3    |
| 018876       | PL.1458     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.119                               | 0.000 | 0    | 0          | 0            | 0    |
| 0188111      | PL.1458     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.27                     | 1.32         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 4.119                               | 0.000 | 10   | 1          | 1            | 1    |
| 018864       | PL.1458     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.27                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.119                               | 0.000 | 5    | 1          | 1            | 1    |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PL.1272      | PL.1458     | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.28                     | 0.51         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 4.186             | 0.067          | 0          | 0            | 0  | 1    |
| 0188139      | PL.1272     | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.28                     | 0.51         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 4.186             | 0.000          | 4          | 1            | 1  | 1    |
| 018861       | PL.19997    | C   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.25                     | 0.94         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.987             | 0.000          | 7          | 1            | 1  | 1    |
| 018890       | PL.19997    | C   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.25                     | 0.17         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.987             | 0.000          | 1          | 0            | 1  | 1    |
| PL.38800     | PL.17892    | C   | 2ACSR              | 7.37Y     | 122.8        | 0.00            | 3.22                     | 16.81        | 7        | 122        | 20   | 99      | 0.00       | 0.0               | 3.866             | 0.002          | 0          | 0            | 0  | 22   |
| PD.6721      | PL.38800    | C   | 25E                | 7.37Y     | 122.8        | 0.00            | 3.22                     | 16.81        | 67       | 122        | 20   | 99      | 0.00       | 0.0               | 3.866             | 0.000          | 0          | 0            | 0  | 22   |
| PL.38801     | PD.6721     | C   | 2ACSR              | 7.37Y     | 122.8        | 0.02            | 3.24                     | 16.81        | 7        | 122        | 20   | 99      | 0.02       | 0.0               | 3.907             | 0.041          | 0          | 0            | 0  | 22   |
| PL.1280      | PL.38801    | C   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.24                     | 1.32         | 1        | 10         | 1    | 100     | 0.00       | 0.0               | 3.941             | 0.034          | 0          | 0            | 0  | 2    |
| 018855       | PL.1280     | C   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.24                     | 1.29         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 3.941             | 0.000          | 9          | 1            | 1  | 1    |
| 0188154      | PL.1280     | C   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.24                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.941             | 0.000          | 0          | 0            | 1  | 1    |
| PL.38733     | PL.38801    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.06            | 3.30                     | 15.50        | 8        | 113        | 19   | 99      | 0.05       | 0.0               | 4.002             | 0.095          | 0          | 0            | 0  | 20   |
| 0188122      | PL.38733    | C   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.30                     | 0.97         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.002             | 0.000          | 7          | 1            | 1  | 1    |
| PL.38802     | PL.38733    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.04            | 3.34                     | 14.53        | 7        | 105        | 18   | 99      | 0.04       | 0.0               | 4.072             | 0.070          | 0          | 0            | 0  | 19   |
| PL.13935     | PL.38802    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.02            | 3.37                     | 11.72        | 6        | 85         | 15   | 98      | 0.02       | 0.0               | 4.119             | 0.047          | 0          | 0            | 0  | 14   |
| 0188146      | PL.13935    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.37                     | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.119             | 0.000          | 2          | 0            | 1  | 1    |
| 0188130      | PL.13935    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.37                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.119             | 0.000          | 0          | 0            | 0  | 0    |
| PL.13936     | PL.13935    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.03            | 3.40                     | 11.50        | 6        | 83         | 15   | 98      | 0.02       | 0.0               | 4.173             | 0.054          | 0          | 0            | 0  | 13   |
| PL.13937     | PL.13936    | C   | 4ACSR              | 7.35Y     | 122.6        | 0.02            | 3.42                     | 9.57         | 5        | 69         | 13   | 98      | 0.01       | 0.0               | 4.229             | 0.056          | 0          | 0            | 0  | 11   |
| PL.13938     | PL.13937    | C   | 4ACSR              | 7.35Y     | 122.6        | 0.01            | 3.43                     | 7.23         | 4        | 52         | 10   | 98      | 0.00       | 0.0               | 4.267             | 0.038          | 0          | 0            | 0  | 8    |
| PL.13939     | PL.13938    | C   | 4ACSR              | 7.35Y     | 122.6        | 0.02            | 3.45                     | 5.11         | 3        | 37         | 8    | 98      | 0.00       | 0.0               | 4.337             | 0.070          | 0          | 0            | 0  | 6    |
| 0188141      | PL.13939    | C   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.45                     | 1.05         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.337             | 0.000          | 8          | 1            | 1  | 1    |
| PL.5739      | PL.13939    | C   | 4ACSR              | 7.35Y     | 122.5        | 0.01            | 3.46                     | 4.06         | 2        | 29         | 7    | 97      | 0.00       | 0.0               | 4.406             | 0.069          | 0          | 0            | 0  | 5    |
| 0188170      | PL.5739     | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.46                     | 1.38         | 0        | 9          | 4    | 91      | 0.00       | 0.0               | 4.406             | 0.000          | 9          | 4            | 1  | 1    |
| PL.5740      | PL.5739     | C   | 4ACSR              | 7.35Y     | 122.5        | 0.01            | 3.47                     | 2.73         | 1        | 20         | 3    | 99      | 0.00       | 0.0               | 4.465             | 0.059          | 0          | 0            | 0  | 4    |
| PL.13940     | PL.5740     | C   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.47                     | 1.49         | 1        | 11         | 1    | 100     | 0.00       | 0.0               | 4.539             | 0.074          | 0          | 0            | 0  | 3    |
| PL.1281      | PL.13940    | C   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.47                     | 0.88         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.630             | 0.091          | 0          | 0            | 0  | 1    |
| 018930       | PL.1281     | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47                     | 0.88         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.630             | 0.000          | 6          | 1            | 1  | 1    |
| PL.13941     | PL.13940    | C   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.47                     | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 4.585             | 0.046          | 0          | 0            | 0  | 2    |
| 018922       | PL.13941    | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47                     | 0.41         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.585             | 0.000          | 3          | 0            | 1  | 1    |
| 018923       | PL.13941    | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47                     | 0.20         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.585             | 0.000          | 1          | 0            | 1  | 1    |
| 018926       | PL.13941    | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.585             | 0.000          | 0          | 0            | 0  | 0    |
| 018924       | PL.5740     | C   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47                     | 1.23         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.465             | 0.000          | 9          | 1            | 1  | 1    |
| 0188129      | PL.13938    | C   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.43                     | 0.86         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.267             | 0.000          | 6          | 1            | 1  | 1    |
| 0188197      | PL.13938    | C   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.43                     | 1.27         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.267             | 0.000          | 0          | 0            | 0  | 1    |
| 0188175      | 0188197     | C   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.43                     | 1.27         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.267             | 0.000          | 9          | 1            | 1  | 1    |
| PL.1275      | PL.13937    | C   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.42                     | 0.90         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.348             | 0.118          | 0          | 0            | 0  | 1    |
| 0188148      | PL.1275     | C   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.42                     | 0.90         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.348             | 0.000          | 7          | 1            | 1  | 1    |
| 0188123      | PL.13937    | C   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.42                     | 0.54         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 4.229             | 0.000          | 4          | 1            | 1  | 1    |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 0188126      | PL.13937    | C   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.42                     | 0.91         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.229                               | 0.000 | 7    | 1          | 1            | 1 |
| 0188133      | PL.13936    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.40                     | 0.92         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.173                               | 0.000 | 7    | 1          | 1            | 1 |
| 0188132      | PL.13936    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.173                               | 0.000 | 0    | 0          | 0            | 0 |
| 0188134      | PL.13936    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.40                     | 1.01         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.173                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.1463      | PL.38802    | C   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.35                     | 2.81         | 1        | 21         | 3       | 99         | 0.00      | 0.0               | 4.107                               | 0.035 | 0    | 0          | 0            | 5 |
| PL.13422     | PL.1463     | C   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.35                     | 2.81         | 1        | 21         | 3       | 99         | 0.00      | 0.0               | 4.127                               | 0.020 | 0    | 0          | 0            | 5 |
| PL.27749     | PL.13422    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.57         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.134                               | 0.006 | 0    | 0          | 0            | 2 |
| PD.2530      | PL.27749    | C   | fuse6AMP           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.57         | 10       | 4          | 1       | 97         | 0.00      | 0.0               | 4.134                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.35648     | PD.2530     | C   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.57         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.212                               | 0.079 | 0    | 0          | 0            | 2 |
| 0188189      | PL.35648    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.50         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.212                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.35649     | PL.35648    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.517                               | 0.304 | 0    | 0          | 0            | 1 |
| 018931       | PL.35649    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.517                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.36761     | PL.35649    | C   | 2ACSR              | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.761                               | 0.245 | 0    | 0          | 0            | 0 |
| PL.36762     | PL.36761    | C   | 2ACSR              | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.065                               | 0.304 | 0    | 0          | 0            | 0 |
| 0189032      | PL.36761    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.761                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.13934     | PL.13422    | C   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.35                     | 1.18         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 4.191                               | 0.063 | 0    | 0          | 0            | 1 |
| 0188144      | PL.13934    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 1.18         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.191                               | 0.000 | 9    | 1          | 1            | 1 |
| 0188125      | PL.13422    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.127                               | 0.000 | 3    | 0          | 1            | 1 |
| 0188124      | PL.13422    | C   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.71         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.127                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.38788     | PL.38789    | A   | 1/0ACSR            | 7.35Y     | 122.6        | 0.00            | 3.44                     | 10.90        | 3        | 76         | 24      | 95         | 0.00      | 0.0               | 3.715                               | 0.013 | 0    | 0          | 0            | 0 |
|              |             | B   |                    | 7.42Y     | 123.7        | 0.00            | 2.28                     | 10.80        | 3        | 76         | 24      | 95         |           |                   | 0                                   | 0     | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.37Y     | 122.8        | 0.00            | 3.17                     | 10.88        | 3        | 76         | 24      | 95         |           |                   | 0                                   | 0     | 0    | 0          | 0            |   |
| PL.38738     | PL.38788    | A   | 1/0EPRJCN          | 7.35Y     | 122.5        | 0.02            | 3.46                     | 10.90        | 6        | 76         | 24      | 95         | 0.04      | 0.0               | 3.824                               | 0.109 | 0    | 0          | 0            | 0 |
|              |             | B   |                    | 7.42Y     | 123.7        | 0.02            | 2.30                     | 10.80        | 6        | 76         | 24      | 95         |           |                   | 0                                   | 0     | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.37Y     | 122.8        | 0.02            | 3.19                     | 10.88        | 6        | 76         | 24      | 95         |           |                   | 0                                   | 0     | 0    | 0          | 0            |   |
| PL.29233     | PL.38738    | A   | 1/0EPRJCN          | 7.35Y     | 122.5        | 0.01            | 3.47                     | 10.92        | 6        | 76         | 25      | 95         | 0.02      | 0.0               | 3.888                               | 0.064 | 0    | 0          | 0            | 0 |
|              |             | B   |                    | 7.42Y     | 123.7        | 0.01            | 2.31                     | 10.82        | 6        | 76         | 25      | 95         |           |                   | 0                                   | 0     | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.37Y     | 122.8        | 0.01            | 3.20                     | 10.90        | 6        | 76         | 25      | 95         |           |                   | 0                                   | 0     | 0    | 0          | 0            |   |
| 018896       | PL.29233    | A   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.47                     | 10.94        | 0        | 76         | 25      | 95         | 0.00      | 0.0               | 3.888                               | 0.000 | 76   | 25         | 0            | 0 |
|              |             | B   |                    | 7.42Y     | 123.7        | 0.00            | 2.31                     | 10.83        | 0        | 76         | 25      | 95         |           |                   | 76                                  | 25    | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.37Y     | 122.8        | 0.00            | 3.20                     | 10.91        | 0        | 76         | 25      | 95         |           |                   | 76                                  | 25    | 0    | 0          | 0            |   |
| PL.20595     | PL.38794    | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.27                     | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.751                               | 0.054 | 0    | 0          | 0            | 3 |
| PD.2524      | PL.20595    | B   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.27                     | 0.23         | 4        | 2          | 0       | 100        | 0.00      | 0.0               | 3.751                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.20596     | PD.2524     | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.27                     | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.797                               | 0.046 | 0    | 0          | 0            | 3 |
| PL.1271      | PL.20596    | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.858                               | 0.061 | 0    | 0          | 0            | 1 |
| 0188142      | PL.1271     | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.858                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.45613     | PL.20596    | B   | 2ACSR              | 7.42Y     | 123.7        | 0.00            | 2.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.849                               | 0.052 | 0    | 0          | 0            | 0 |
| 0188196      | PL.45613    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.849                               | 0.000 | 0    | 0          | 0            | 0 |
| 0188178      | PL.20596    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.27                     | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.797                               | 0.000 | 2    | 0          | 1            | 1 |
| 0188120      | PL.20596    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.797                               | 0.000 | 0    | 0          | 1            | 1 |
| 0188184      | PL.13417    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.26                     | 0.69         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.662                               | 0.000 | 5    | 1          | 1            | 1 |
| 0188183      | PL.13417    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.26                     | 0.53         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.662                               | 0.000 | 4    | 1          | 1            | 1 |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PL.44327     | PL.38740    | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.25                     | 0.58         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.626             | 0.004          | 0          | 0            | 0  | 3    |
| PD.8403      | PL.44327    | B   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.25                     | 0.58         | 10       | 4          | 1    | 97      | 0.00       | 0.0               | 3.626             | 0.000          | 0          | 0            | 0  | 3    |
| PL.44328     | PD.8403     | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.25                     | 0.58         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.662             | 0.036          | 0          | 0            | 0  | 3    |
| 018878       | PL.44328    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.25                     | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.662             | 0.000          | 0          | 0            | 1  | 1    |
| 018829       | PL.44328    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.25                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.662             | 0.000          | 2          | 0            | 1  | 1    |
| 0188194      | PL.44328    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.25                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.662             | 0.000          | 0          | 0            | 0  | 0    |
| PL.22965     | PL.44328    | B   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.25                     | 0.25         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.710             | 0.048          | 0          | 0            | 0  | 1    |
| 018865       | PL.22965    | B   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.25                     | 0.25         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.710             | 0.000          | 2          | 0            | 1  | 1    |
| PL.45223     | PL.44628    | B   | 2ACSR              | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.51         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.510             | 0.061          | 0          | 0            | 0  | 2    |
| 0188195      | PL.45223    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.510             | 0.000          | 0          | 0            | 0  | 0    |
| 018870       | PL.45223    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.41         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 3.510             | 0.000          | 3          | 0            | 1  | 1    |
| 018815       | PL.45223    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.10         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.510             | 0.000          | 1          | 0            | 1  | 1    |
| PL.44627     | PL.44628    | B   | 2ACSR              | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.483             | 0.033          | 0          | 0            | 0  | 0    |
| 0188193      | PL.44627    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.483             | 0.000          | 0          | 0            | 0  | 0    |
| PL.45232     | PL.13415    | A   | 4ACSR              | 7.35Y     | 122.6        | 0.01            | 3.44                     | 49.37        | 25       | 360        | 50   | 99      | 0.02       | 0.0               | 3.428             | 0.004          | 0          | 0            | 0  | 74   |
| PD.8623-A    | PL.45232    | A   | Closed             | 7.35Y     | 122.6        | 0.00            | 3.44                     | 49.37        | 0        | 360        | 50   | 99      | 0.00       | 0.0               | 3.428             | 0.000          | 0          | 0            | 0  | 74   |
| PD.8623-B    | PD.8623-A   | A   | Closed             | 7.35Y     | 122.6        | 0.00            | 3.44                     | 49.37        | 0        | 360        | 50   | 99      | 0.00       | 0.0               | 3.428             | 0.000          | 0          | 0            | 0  | 74   |
| PL.45233     | PD.8623-B   | A   | 4ACSR              | 7.35Y     | 122.5        | 0.10            | 3.53                     | 49.37        | 25       | 360        | 50   | 99      | 0.26       | 0.1               | 3.473             | 0.045          | 0          | 0            | 0  | 74   |
| 0188158      | PL.45233    | A   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.53                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.473             | 0.000          | 2          | 0            | 1  | 1    |
| PL.13412     | PL.45233    | A   | 4ACSR              | 7.34Y     | 122.4        | 0.09            | 3.62                     | 49.12        | 25       | 357        | 50   | 99      | 0.24       | 0.1               | 3.515             | 0.042          | 0          | 0            | 0  | 73   |
| PL.19106     | PL.13412    | A   | 4ACSR              | 7.34Y     | 122.4        | 0.01            | 3.63                     | 42.32        | 22       | 308        | 43   | 99      | 0.02       | 0.0               | 3.521             | 0.005          | 0          | 0            | 0  | 63   |
| PD.3355      | PL.19106    | A   | 50V4E              | 7.34Y     | 122.4        | 0.00            | 3.63                     | 42.32        | 0        | 308        | 43   | 99      | 0.00       | 0.0               | 3.521             | 0.000          | 0          | 0            | 0  | 63   |
| PL.19107     | PD.3355     | A   | 4ACSR              | 7.34Y     | 122.3        | 0.09            | 3.72                     | 42.32        | 22       | 308        | 43   | 99      | 0.21       | 0.1               | 3.570             | 0.050          | 0          | 0            | 0  | 63   |
| PL.43685     | PL.19107    | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.72                     | 1.51         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 3.578             | 0.008          | 0          | 0            | 0  | 2    |
| PD.8308      | PL.43685    | A   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.72                     | 1.51         | 26       | 11         | 2    | 98      | 0.00       | 0.0               | 3.578             | 0.000          | 0          | 0            | 0  | 2    |
| PL.43686     | PD.8308     | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.73                     | 1.51         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 3.632             | 0.055          | 0          | 0            | 0  | 2    |
| 0188119      | PL.43686    | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.73                     | 1.13         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 3.632             | 0.000          | 8          | 1            | 1  | 1    |
| 0188171      | PL.43686    | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.73                     | 0.38         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 3.632             | 0.000          | 3          | 0            | 1  | 1    |
| PL.28186     | PL.19107    | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.72                     | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.584             | 0.013          | 0          | 0            | 0  | 1    |
| PD.3472      | PL.28186    | A   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.72                     | 0.33         | 6        | 2          | 0    | 100     | 0.00       | 0.0               | 3.584             | 0.000          | 0          | 0            | 0  | 1    |
| PL.28187     | PD.3472     | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.72                     | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.617             | 0.033          | 0          | 0            | 0  | 1    |
| 018837       | PL.28187    | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.72                     | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.617             | 0.000          | 2          | 0            | 1  | 1    |
| PL.13411     | PL.19107    | A   | 4ACSR              | 7.33Y     | 122.1        | 0.19            | 3.91                     | 40.47        | 21       | 294        | 41   | 99      | 0.43       | 0.1               | 3.680             | 0.110          | 0          | 0            | 0  | 60   |
| PL.13410     | PL.13411    | A   | 4ACSR              | 7.32Y     | 122.0        | 0.11            | 4.02                     | 38.45        | 20       | 279        | 39   | 99      | 0.23       | 0.1               | 3.745             | 0.065          | 0          | 0            | 0  | 56   |
| 018854       | PL.13410    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.02                     | 0.53         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.745             | 0.000          | 4          | 1            | 1  | 1    |
| 018853       | PL.13410    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.02                     | 0.20         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.745             | 0.000          | 1          | 0            | 1  | 1    |
| 018852       | PL.13410    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.02                     | 0.76         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.745             | 0.000          | 6          | 1            | 1  | 1    |
| PL.19998     | PL.13410    | A   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.02                     | 3.05         | 2        | 22         | 3    | 99      | 0.00       | 0.0               | 3.751             | 0.005          | 0          | 0            | 0  | 4    |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for Units Displayed In Volts and Base Voltage:120.0-

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PL.13406     | PL.13405    | A   | 4ACSR              | 7.30Y     | 121.6        | 0.02            | 4.41                     | 7.67         | 4        | 55         | 8    | 99      | 0.01       | 0.0               | 4.197             | 0.065          | 0          | 0            | 0  | 13   |
| 018898       | PL.13406    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.41                     | 0.91         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.197             | 0.000          | 7          | 1            | 1  | 1    |
| 0188188      | PL.13406    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.41                     | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.197             | 0.000          | 2          | 0            | 1  | 1    |
| PL.13407     | PL.13406    | A   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.41                     | 6.43         | 3        | 46         | 6    | 99      | 0.00       | 0.0               | 4.215             | 0.018          | 0          | 0            | 0  | 11   |
| PL.20858     | PL.13407    | A   | 4ACSR              | 7.29Y     | 121.6        | 0.00            | 4.42                     | 1.55         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 4.264             | 0.049          | 0          | 0            | 0  | 5    |
| PL.20859     | PL.20858    | A   | 4ACSR              | 7.29Y     | 121.6        | 0.00            | 4.42                     | 1.04         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 4.287             | 0.023          | 0          | 0            | 0  | 3    |
| PL.4853      | PL.20859    | A   | 4ACSR              | 7.29Y     | 121.6        | 0.00            | 4.42                     | 1.04         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 4.311             | 0.024          | 0          | 0            | 0  | 3    |
| PL.4854      | PL.4853     | A   | 4ACSR              | 7.29Y     | 121.6        | 0.00            | 4.42                     | 1.04         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 4.357             | 0.046          | 0          | 0            | 0  | 2    |
| 018897       | PL.4854     | A   | Consumer           | 7.29Y     | 121.6        | 0.00            | 4.42                     | 1.01         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.357             | 0.000          | 7          | 1            | 1  | 1    |
| 018889       | PL.4854     | A   | Consumer           | 7.29Y     | 121.6        | 0.00            | 4.42                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.357             | 0.000          | 0          | 0            | 1  | 1    |
| 0188110      | PL.4853     | A   | Consumer           | 7.29Y     | 121.6        | 0.00            | 4.42                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.311             | 0.000          | 0          | 0            | 1  | 1    |
| 018886       | PL.4853     | A   | Consumer           | 7.29Y     | 121.6        | 0.00            | 4.42                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.311             | 0.000          | 0          | 0            | 0  | 0    |
| 018879       | PL.20858    | A   | Consumer           | 7.29Y     | 121.6        | 0.00            | 4.42                     | 0.47         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.264             | 0.000          | 3          | 0            | 1  | 1    |
| 0188156      | PL.20858    | A   | Consumer           | 7.29Y     | 121.6        | 0.00            | 4.42                     | 0.04         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.264             | 0.000          | 0          | 0            | 1  | 1    |
| PL.43679     | PL.13407    | A   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.41                     | 3.62         | 2        | 26         | 4    | 99      | 0.00       | 0.0               | 4.221             | 0.006          | 0          | 0            | 0  | 4    |
| PD.8305      | PL.43679    | A   | fuse6AMP           | 7.30Y     | 121.6        | 0.00            | 4.41                     | 3.62         | 62       | 26         | 4    | 99      | 0.00       | 0.0               | 4.221             | 0.000          | 0          | 0            | 0  | 4    |
| PL.43680     | PD.8305     | A   | 4ACSR              | 7.29Y     | 121.6        | 0.01            | 4.42                     | 3.62         | 2        | 26         | 4    | 99      | 0.00       | 0.0               | 4.285             | 0.064          | 0          | 0            | 0  | 4    |
| 0188113      | PL.43680    | A   | Consumer           | 7.29Y     | 121.6        | 0.00            | 4.42                     | 1.03         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.285             | 0.000          | 7          | 1            | 1  | 1    |
| 0188102      | PL.43680    | A   | Consumer           | 7.29Y     | 121.6        | 0.00            | 4.42                     | 0.84         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.285             | 0.000          | 6          | 1            | 1  | 1    |
| 0188101      | PL.43680    | A   | Consumer           | 7.29Y     | 121.6        | 0.00            | 4.42                     | 1.61         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 4.285             | 0.000          | 12         | 2            | 1  | 1    |
| 0188117      | PL.43680    | A   | Consumer           | 7.29Y     | 121.6        | 0.00            | 4.42                     | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.285             | 0.000          | 1          | 0            | 1  | 1    |
| 0188138      | PL.13407    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.41                     | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.215             | 0.000          | 2          | 0            | 1  | 1    |
| 0188169      | PL.13407    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.41                     | 0.93         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.215             | 0.000          | 7          | 1            | 1  | 1    |
| 0188116      | PL.13405    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.132             | 0.000          | 0          | 0            | 0  | 0    |
| 018877       | PL.13405    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39                     | 0.70         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.132             | 0.000          | 5          | 1            | 1  | 1    |
| 018873       | PL.13405    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39                     | 1.20         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.132             | 0.000          | 9          | 1            | 1  | 1    |
| 018880       | PL.13933    | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.34                     | 0.45         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.034             | 0.000          | 3          | 0            | 1  | 1    |
| 018805       | PL.13933    | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.34                     | 0.48         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.034             | 0.000          | 3          | 0            | 1  | 1    |
| 0188108      | PL.13933    | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.34                     | 0.67         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.034             | 0.000          | 5          | 1            | 1  | 1    |
| PL.43677     | PL.13933    | A   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.34                     | 1.99         | 1        | 14         | 2    | 99      | 0.00       | 0.0               | 4.043             | 0.009          | 0          | 0            | 0  | 2    |
| PD.8304      | PL.43677    | A   | fuse6AMP           | 7.30Y     | 121.7        | 0.00            | 4.34                     | 1.99         | 34       | 14         | 2    | 99      | 0.00       | 0.0               | 4.043             | 0.000          | 0          | 0            | 0  | 2    |
| PL.43678     | PD.8304     | A   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.35                     | 1.99         | 1        | 14         | 2    | 99      | 0.00       | 0.0               | 4.099             | 0.056          | 0          | 0            | 0  | 2    |
| 0188107      | PL.43678    | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.35                     | 1.23         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.099             | 0.000          | 9          | 1            | 1  | 1    |
| 0188121      | PL.43678    | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.35                     | 0.76         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.099             | 0.000          | 6          | 1            | 1  | 1    |
| PL.39799     | PL.43678    | A   | 2ACSR              | 7.30Y     | 121.7        | 0.00            | 4.35                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.127             | 0.027          | 0          | 0            | 0  | 0    |
| 0188161      | PL.39799    | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.35                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.127             | 0.000          | 0          | 0            | 0  | 0    |
| 0188162      | PL.13932    | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.33                     | 0.77         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.018             | 0.000          | 6          | 1            | 1  | 1    |
| 018892       | PL.13932    | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.33                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.018             | 0.000          | 0          | 0            | 1  | 1    |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |           |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | ----- |      |            |              |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                                     | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
| 018895       | PL.13932    | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.33   | 0.07         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.018                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.4849      | PL.5948     | A   | 4ACSR              | 7.30Y     | 121.7        | 0.03            | 4.26   | 9.66         | 5        | 70         | 10        | 99         | 0.02      | 0.0               | 3.971                               | 0.071 | 0    | 0          | 0            | 11 |
| 018836       | PL.4849     | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.26   | 1.15         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 3.971                               | 0.000 | 8    | 1          | 1            | 1  |
| 018844       | PL.4849     | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.26   | 0.46         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 3.971                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.4850      | PL.4849     | A   | 4ACSR              | 7.30Y     | 121.7        | 0.01            | 4.27   | 8.05         | 4        | 58         | 8         | 99         | 0.01      | 0.0               | 4.007                               | 0.036 | 0    | 0          | 0            | 9  |
| PL.4846      | PL.4850     | A   | 4ACSR              | 7.30Y     | 121.7        | 0.01            | 4.28   | 7.21         | 4        | 52         | 7         | 99         | 0.00      | 0.0               | 4.036                               | 0.029 | 0    | 0          | 0            | 6  |
| PL.4847      | PL.4846     | A   | 4ACSR              | 7.30Y     | 121.7        | 0.02            | 4.30   | 7.21         | 4        | 52         | 7         | 99         | 0.01      | 0.0               | 4.097                               | 0.062 | 0    | 0          | 0            | 6  |
| PL.4848      | PL.4847     | A   | 4ACSR              | 7.30Y     | 121.7        | 0.02            | 4.32   | 6.16         | 3        | 45         | 6         | 99         | 0.01      | 0.0               | 4.155                               | 0.058 | 0    | 0          | 0            | 5  |
| 0188152      | PL.4848     | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.32   | 0.91         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 4.155                               | 0.000 | 7    | 1          | 1            | 1  |
| 018884       | PL.4848     | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.32   | 2.77         | 0        | 20         | 3         | 99         | 0.00      | 0.0               | 4.155                               | 0.000 | 20   | 3          | 1            | 1  |
| 0188105      | PL.4848     | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.32   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.155                               | 0.000 | 0    | 0          | 1            | 1  |
| 018881       | PL.4848     | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.32   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.155                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.13930     | PL.4848     | A   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.32   | 2.48         | 1        | 18         | 2         | 99         | 0.00      | 0.0               | 4.190                               | 0.035 | 0    | 0          | 0            | 2  |
| PL.13931     | PL.13930    | A   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.32   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.236                               | 0.046 | 0    | 0          | 0            | 0  |
| PL.30831     | PL.13931    | A   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.32   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.278                               | 0.042 | 0    | 0          | 0            | 0  |
| PD.138-A     | PL.30831    | A   | Open               | 7.30Y     | 121.7        | 0.00            | 4.32   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.278                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.13928     | PL.13930    | A   | 4ACSR              | 7.30Y     | 121.7        | 0.01            | 4.33   | 2.48         | 1        | 18         | 2         | 99         | 0.00      | 0.0               | 4.261                               | 0.071 | 0    | 0          | 0            | 2  |
| PL.1276      | PL.13928    | A   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.33   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.342                               | 0.081 | 0    | 0          | 0            | 0  |
| PL.13929     | PL.13928    | A   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.33   | 2.48         | 1        | 18         | 2         | 99         | 0.00      | 0.0               | 4.297                               | 0.035 | 0    | 0          | 0            | 2  |
| PL.13927     | PL.13929    | A   | 4ACSR              | 7.30Y     | 121.7        | 0.01            | 4.34   | 1.00         | 1        | 7          | 1         | 99         | 0.00      | 0.0               | 4.466                               | 0.169 | 0    | 0          | 0            | 1  |
| 0188159      | PL.13927    | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.34   | 1.00         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 4.466                               | 0.000 | 7    | 1          | 1            | 1  |
| 0188155      | PL.13929    | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.33   | 1.47         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 4.297                               | 0.000 | 11   | 1          | 1            | 1  |
| 018801       | PL.4847     | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.30   | 1.05         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 4.097                               | 0.000 | 8    | 1          | 1            | 1  |
| 018830       | PL.4850     | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.27   | 0.38         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 4.007                               | 0.000 | 3    | 0          | 1            | 1  |
| 018846       | PL.4850     | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.27   | 0.46         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 4.007                               | 0.000 | 3    | 0          | 1            | 1  |
| 018885       | PL.4850     | A   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.27   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.007                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.20466     | PL.5948     | A   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.23   | 1.48         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 3.909                               | 0.009 | 0    | 0          | 0            | 2  |
| PD.1782      | PL.20466    | A   | fuse6AMP           | 7.31Y     | 121.8        | 0.00            | 4.23   | 1.48         | 25       | 11         | 1         | 100        | 0.00      | 0.0               | 3.909                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.20547     | PD.1782     | A   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.24   | 1.48         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 3.950                               | 0.041 | 0    | 0          | 0            | 2  |
| PL.1451      | PL.20547    | A   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.24   | 0.29         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 3.985                               | 0.035 | 0    | 0          | 0            | 1  |
| 018840       | PL.1451     | A   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.24   | 0.29         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 3.985                               | 0.000 | 2    | 0          | 1            | 1  |
| 0188190      | PL.20547    | A   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.24   | 1.19         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 3.950                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.20905     | PL.13409    | A   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.17   | 0.25         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 3.866                               | 0.013 | 0    | 0          | 0            | 1  |
| PD.1781      | PL.20905    | A   | fuse6AMP           | 7.31Y     | 121.8        | 0.00            | 4.17   | 0.25         | 4        | 2          | 0         | 100        | 0.00      | 0.0               | 3.866                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.20906     | PD.1781     | A   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.17   | 0.25         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 3.905                               | 0.039 | 0    | 0          | 0            | 1  |
| 018838       | PL.20906    | A   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.17   | 0.25         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 3.905                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.43687     | PL.13408    | A   | 4ACSR              | 7.31Y     | 121.9        | 0.00            | 4.10   | 1.31         | 1        | 9          | 1         | 99         | 0.00      | 0.0               | 3.807                               | 0.005 | 0    | 0          | 0            | 1  |
| PD.8309      | PL.43687    | A   | fuse6AMP           | 7.31Y     | 121.9        | 0.00            | 4.10   | 1.31         | 22       | 9          | 1         | 99         | 0.00      | 0.0               | 3.807                               | 0.000 | 0    | 0          | 0            | 1  |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| PL.43688     | PD.8309     | A   | 4ACSR              | 7.31Y     | 121.9        | 0.00            | 4.10   | 1.31         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 3.830                               | 0.023 | 0    | 0          | 0            | 1   |
| 0188173      | PL.43688    | A   | Consumer           | 7.31Y     | 121.9        | 0.00            | 4.10   | 1.31         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.830                               | 0.000 | 9    | 1          | 1            | 1   |
| PL.1284      | PL.13410    | A   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 4.02   | 0.65         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.823                               | 0.078 | 0    | 0          | 0            | 1   |
| 0188177      | PL.1284     | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 4.02   | 0.65         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.823                               | 0.000 | 5    | 1          | 1            | 1   |
| PL.20106     | PL.13411    | A   | 4ACSR              | 7.33Y     | 122.1        | 0.00            | 3.91   | 2.02         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 3.687                               | 0.007 | 0    | 0          | 0            | 4   |
| PD.1779      | PL.20106    | A   | fuse6AMP           | 7.33Y     | 122.1        | 0.00            | 3.91   | 2.02         | 35       | 15         | 2       | 99         | 0.00      | 0.0               | 3.687                               | 0.000 | 0    | 0          | 0            | 4   |
| PL.20107     | PD.1779     | A   | 4ACSR              | 7.33Y     | 122.1        | 0.00            | 3.92   | 2.02         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 3.711                               | 0.024 | 0    | 0          | 0            | 4   |
| PL.1445      | PL.20107    | A   | 4ACSR              | 7.32Y     | 122.1        | 0.00            | 3.92   | 0.60         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.802                               | 0.092 | 0    | 0          | 0            | 1   |
| 018850       | PL.1445     | A   | Consumer           | 7.32Y     | 122.1        | 0.00            | 3.92   | 0.60         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.802                               | 0.000 | 4    | 1          | 1            | 1   |
| 0188192      | PL.1445     | A   | Consumer           | 7.32Y     | 122.1        | 0.00            | 3.92   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.802                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.1446      | PL.20107    | A   | 4ACSR              | 7.32Y     | 122.1        | 0.00            | 3.92   | 1.42         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 3.783                               | 0.072 | 0    | 0          | 0            | 3   |
| 018857       | PL.1446     | A   | Consumer           | 7.32Y     | 122.1        | 0.00            | 3.92   | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.783                               | 0.000 | 5    | 1          | 1            | 1   |
| 018803       | PL.1446     | A   | Consumer           | 7.32Y     | 122.1        | 0.00            | 3.92   | 0.44         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.783                               | 0.000 | 3    | 0          | 1            | 1   |
| 018851       | PL.1446     | A   | Consumer           | 7.32Y     | 122.1        | 0.00            | 3.92   | 0.25         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.783                               | 0.000 | 2    | 0          | 1            | 1   |
| PL.43681     | PL.13412    | A   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.62   | 0.54         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.521                               | 0.006 | 0    | 0          | 0            | 2   |
| PD.8306      | PL.43681    | A   | fuse6AMP           | 7.34Y     | 122.4        | 0.00            | 3.62   | 0.54         | 9        | 4          | 1       | 97         | 0.00      | 0.0               | 3.521                               | 0.000 | 0    | 0          | 0            | 2   |
| PL.43682     | PD.8306     | A   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.62   | 0.54         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.565                               | 0.044 | 0    | 0          | 0            | 2   |
| 018848       | PL.43682    | A   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.62   | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.565                               | 0.000 | 2    | 0          | 1            | 1   |
| 018823       | PL.43682    | A   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.62   | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.565                               | 0.000 | 2    | 0          | 1            | 1   |
| PL.43683     | PL.13412    | A   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.62   | 6.26         | 3        | 46         | 6       | 99         | 0.00      | 0.0               | 3.521                               | 0.006 | 0    | 0          | 0            | 8   |
| C PD.8307    | PL.43683    | A   | fuse6AMP           | 7.34Y     | 122.4        | 0.00            | 3.62   | 6.26         | 107      | 45         | 6       | 99         | 0.00      | 0.0               | 3.521                               | 0.000 | 0    | 0          | 0            | 8 C |
| PL.43684     | PD.8307     | A   | 4ACSR              | 7.34Y     | 122.4        | 0.01            | 3.63   | 6.26         | 3        | 45         | 6       | 99         | 0.00      | 0.0               | 3.554                               | 0.034 | 0    | 0          | 0            | 8   |
| PL.5992      | PL.43684    | A   | 4ACSR              | 7.34Y     | 122.4        | 0.01            | 3.64   | 5.75         | 3        | 42         | 6       | 99         | 0.00      | 0.0               | 3.599                               | 0.045 | 0    | 0          | 0            | 6   |
| 0188186      | PL.5992     | A   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.64   | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.599                               | 0.000 | 6    | 1          | 1            | 1   |
| 0188150      | PL.5992     | A   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.64   | 0.46         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.599                               | 0.000 | 3    | 0          | 1            | 1   |
| PL.13413     | PL.5992     | A   | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.66   | 4.44         | 2        | 32         | 4       | 99         | 0.00      | 0.0               | 3.674                               | 0.074 | 0    | 0          | 0            | 4   |
| PL.1279      | PL.13413    | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.66   | 3.27         | 2        | 24         | 3       | 99         | 0.00      | 0.0               | 3.708                               | 0.034 | 0    | 0          | 0            | 1   |
| 0188164      | PL.1279     | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.66   | 3.27         | 0        | 24         | 3       | 99         | 0.00      | 0.0               | 3.708                               | 0.000 | 24   | 3          | 1            | 1   |
| 0188172      | PL.13413    | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.66   | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.674                               | 0.000 | 4    | 1          | 1            | 1   |
| 0188182      | PL.13413    | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.66   | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.674                               | 0.000 | 2    | 0          | 1            | 1   |
| PL.13414     | PL.13413    | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.66   | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.695                               | 0.021 | 0    | 0          | 0            | 1   |
| 0188149      | PL.13414    | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.66   | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.695                               | 0.000 | 3    | 0          | 1            | 1   |
| 0188140      | PL.43684    | A   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.63   | 0.17         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.554                               | 0.000 | 1    | 0          | 1            | 1   |
| 0188163      | PL.43684    | A   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.63   | 0.34         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.554                               | 0.000 | 2    | 0          | 1            | 1   |
| PL.18638     | PL.13415    | A   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.43   | 2.37         | 1        | 17         | 3       | 98         | 0.00      | 0.0               | 3.435                               | 0.011 | 0    | 0          | 0            | 9   |
| PD.1778      | PL.18638    | A   | fuse6AMP           | 7.35Y     | 122.6        | 0.00            | 3.43   | 2.37         | 40       | 17         | 3       | 98         | 0.00      | 0.0               | 3.435                               | 0.000 | 0    | 0          | 0            | 9   |
| PL.18639     | PD.1778     | A   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.44   | 2.37         | 1        | 17         | 3       | 98         | 0.00      | 0.0               | 3.464                               | 0.029 | 0    | 0          | 0            | 9   |
| PL.5825      | PL.18639    | A   | 4ACSR              | 7.35Y     | 122.6        | 0.01            | 3.44   | 2.27         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 3.521                               | 0.056 | 0    | 0          | 0            | 8   |



Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.1453      | PL.5825     | A   | 4ACSR              | 7.35Y     | 122.6        | 0.01            | 3.45                     | 1.72         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 3.607                               | 0.086 | 0    | 0          | 0            | 3 |
| PL.1268      | PL.1453     | A   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.45                     | 1.02         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 3.667                               | 0.060 | 0    | 0          | 0            | 1 |
| 0188127      | PL.1268     | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.45                     | 1.02         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.667                               | 0.000 | 7    | 1          | 1            | 1 |
| 018858       | PL.1453     | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.45                     | 0.18         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.607                               | 0.000 | 1    | 0          | 1            | 1 |
| 018856       | PL.1453     | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.45                     | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.607                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.1447      | PL.5825     | A   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.549                               | 0.029 | 0    | 0          | 0            | 3 |
| 018869       | PL.1447     | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.549                               | 0.000 | 0    | 0          | 0            | 0 |
| 0188185      | PL.1447     | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.549                               | 0.000 | 0    | 0          | 1            | 1 |
| 018824       | PL.1447     | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.549                               | 0.000 | 2    | 0          | 1            | 1 |
| 018817       | PL.1447     | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.549                               | 0.000 | 1    | 0          | 1            | 1 |
| 018868       | PL.1447     | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.549                               | 0.000 | 0    | 0          | 0            | 0 |
| 0188115      | PL.5825     | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.18         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.521                               | 0.000 | 1    | 0          | 1            | 1 |
| 018849       | PL.5825     | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.521                               | 0.000 | 0    | 0          | 1            | 1 |
| 0188104      | PL.18639    | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.44                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.464                               | 0.000 | 1    | 0          | 1            | 1 |
| 018808       | PL.13415    | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.43                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.424                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.27693     | PL.13415    | A   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.43                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.434                               | 0.010 | 0    | 0          | 0            | 2 |
| PD.2556      | PL.27693    | A   | fuse6AMP           | 7.35Y     | 122.6        | 0.00            | 3.43                     | 0.80         | 14       | 6          | 1       | 99         | 0.00      | 0.0               | 3.434                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.27694     | PD.2556     | A   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.43                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.465                               | 0.031 | 0    | 0          | 0            | 2 |
| 018893       | PL.27694    | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.43                     | 0.20         | 0        | 1          | 1       | 71         | 0.00      | 0.0               | 3.465                               | 0.000 | 1    | 1          | 1            | 1 |
| 018820       | PL.27694    | A   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.43                     | 0.62         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.465                               | 0.000 | 4    | 1          | 1            | 1 |
| 0188181      | PL.13971    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.337                               | 0.000 | 0    | 0          | 1            | 1 |
| 018818       | PL.13970    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.308                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.17108     | PL.13969    | A   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.35                     | 3.22         | 2        | 23         | 3       | 99         | 0.00      | 0.0               | 3.266                               | 0.008 | 0    | 0          | 0            | 5 |
| PD.1783      | PL.17108    | A   | fuse6AMP           | 7.36Y     | 122.7        | 0.00            | 3.35                     | 3.22         | 55       | 23         | 3       | 99         | 0.00      | 0.0               | 3.266                               | 0.000 | 0    | 0          | 0            | 5 |
| PL.17109     | PD.1783     | A   | 4ACSR              | 7.36Y     | 122.6        | 0.01            | 3.35                     | 3.22         | 2        | 23         | 3       | 99         | 0.00      | 0.0               | 3.302                               | 0.037 | 0    | 0          | 0            | 5 |
| 019820       | PL.17109    | A   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 1.32         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 3.302                               | 0.000 | 10   | 1          | 1            | 1 |
| 019819       | PL.17109    | A   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.302                               | 0.000 | 4    | 1          | 1            | 1 |
| 019830       | PL.17109    | A   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.302                               | 0.000 | 4    | 1          | 1            | 1 |
| 019856       | PL.17109    | A   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.302                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.5743      | PL.17109    | A   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.303                               | 0.001 | 0    | 0          | 0            | 1 |
| PL.5741      | PL.5743     | A   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.323                               | 0.020 | 0    | 0          | 0            | 1 |
| PL.5742      | PL.5741     | A   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.373                               | 0.050 | 0    | 0          | 0            | 1 |
| 019863       | PL.5742     | A   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35                     | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.373                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.27751     | PL.19004    | A   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.31                     | 0.56         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.206                               | 0.012 | 0    | 0          | 0            | 1 |
| PD.1784      | PL.27751    | A   | fuse6AMP           | 7.36Y     | 122.7        | 0.00            | 3.31                     | 0.56         | 10       | 4          | 1       | 97         | 0.00      | 0.0               | 3.206                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.27752     | PD.1784     | A   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.31                     | 0.56         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.270                               | 0.063 | 0    | 0          | 0            | 1 |
| 019838       | PL.27752    | A   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.31                     | 0.56         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.270                               | 0.000 | 4    | 1          | 1            | 1 |
| 019851       | PL.19004    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.195                               | 0.000 | 0    | 0          | 1            | 1 |

Unbalanced Voltage Drop Report
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 019806, 019837, etc.

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PD.3624      | PL.18575    | B   | 70V4E              | 7.44Y     | 124.0        | 0.00            | 1.99   | 28.63        | 0        | 211        | 30   | 99      | 0.00       | 0.0               | 2.249                               | 0.000 | 0    | 0          | 0            | 61        |
| PL.21480     | PD.3624     | B   | 4ACSR              | 7.44Y     | 124.0        | 0.05            | 2.04   | 28.63        | 15       | 211        | 30   | 99      | 0.08       | 0.0               | 2.288                               | 0.039 | 0    | 0          | 0            | 61        |
| PL.35065     | PL.21480    | B   | 4ACSR              | 7.44Y     | 123.9        | 0.02            | 2.06   | 28.63        | 15       | 211        | 29   | 99      | 0.02       | 0.0               | 2.301                               | 0.013 | 0    | 0          | 0            | 61        |
| PL.35066     | PL.35065    | B   | 4ACSR              | 7.43Y     | 123.9        | 0.07            | 2.12   | 27.94        | 14       | 206        | 29   | 99      | 0.11       | 0.1               | 2.357                               | 0.057 | 0    | 0          | 0            | 60        |
| PL.35069     | PL.35066    | B   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.12   | 3.11         | 2        | 23         | 3    | 99      | 0.00       | 0.0               | 2.363                               | 0.006 | 0    | 0          | 0            | 8         |
| PD.5186      | PL.35069    | B   | fuse6AMP           | 7.43Y     | 123.9        | 0.00            | 2.12   | 3.11         | 53       | 23         | 3    | 99      | 0.00       | 0.0               | 2.363                               | 0.000 | 0    | 0          | 0            | 8         |
| PL.35070     | PD.5186     | B   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.13   | 3.11         | 2        | 23         | 3    | 99      | 0.00       | 0.0               | 2.378                               | 0.015 | 0    | 0          | 0            | 8         |
| 070823       | PL.35070    | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13   | 1.26         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 2.378                               | 0.000 | 9    | 1          | 1            | 1         |
| 070809       | PL.35070    | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13   | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.378                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.25233     | PL.35070    | B   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.13   | 1.83         | 1        | 13         | 2    | 99      | 0.00       | 0.0               | 2.411                               | 0.033 | 0    | 0          | 0            | 6         |
| PL.4808      | PL.25233    | B   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.13   | 1.82         | 1        | 13         | 2    | 99      | 0.00       | 0.0               | 2.456                               | 0.045 | 0    | 0          | 0            | 5         |
| 070817       | PL.4808     | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13   | 0.40         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.456                               | 0.000 | 3    | 0          | 1            | 1         |
| 070872       | PL.4808     | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.456                               | 0.000 | 0    | 0          | 1            | 1         |
| 070849       | PL.4808     | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.456                               | 0.000 | 0    | 0          | 0            | 0         |
| 070828       | PL.4808     | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13   | 0.67         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.456                               | 0.000 | 5    | 1          | 1            | 1         |
| 070834       | PL.4808     | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13   | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.456                               | 0.000 | 2    | 0          | 1            | 1         |
| 070826       | PL.4808     | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13   | 0.41         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.456                               | 0.000 | 3    | 0          | 1            | 1         |
| 070810       | PL.25233    | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.411                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.40991     | PL.35066    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.26            | 2.39   | 24.83        | 13       | 183        | 26   | 99      | 0.37       | 0.2               | 2.606                               | 0.249 | 0    | 0          | 0            | 52        |
| PL.40993     | PL.40991    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.39   | 0.98         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 2.626                               | 0.020 | 0    | 0          | 0            | 5         |
| 070822       | PL.40993    | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39   | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.626                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.4521      | PL.40993    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.39   | 0.70         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.685                               | 0.058 | 0    | 0          | 0            | 4         |
| PL.4522      | PL.4521     | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.39   | 0.40         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.745                               | 0.060 | 0    | 0          | 0            | 2         |
| PL.4523      | PL.4522     | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.39   | 0.40         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.778                               | 0.033 | 0    | 0          | 0            | 2         |
| 070829       | PL.4523     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39   | 0.04         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.778                               | 0.000 | 0    | 0          | 1            | 1         |
| 070820       | PL.4523     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39   | 0.36         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.778                               | 0.000 | 3    | 0          | 1            | 1         |
| 070864       | PL.4521     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39   | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.685                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.4524      | PL.4521     | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.39   | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.759                               | 0.074 | 0    | 0          | 0            | 1         |
| 070859       | PL.4524     | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39   | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.759                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.40992     | PL.40991    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.39   | 2.16         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 2.613                               | 0.007 | 0    | 0          | 0            | 2         |
| PD.5187      | PL.40992    | B   | fuse6AMP           | 7.42Y     | 123.6        | 0.00            | 2.39   | 2.16         | 37       | 16         | 2    | 99      | 0.00       | 0.0               | 2.613                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.35071     | PD.5187     | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.39   | 2.16         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 2.629                               | 0.016 | 0    | 0          | 0            | 2         |
| 070910       | PL.35071    | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39   | 1.29         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 2.629                               | 0.000 | 9    | 1          | 1            | 1         |
| 070911       | PL.35071    | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.629                               | 0.000 | 0    | 0          | 0            | 0         |
| 070938       | PL.35071    | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39   | 0.87         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.629                               | 0.000 | 6    | 1          | 1            | 1         |
| 0709041      | PL.40991    | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.606                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.40994     | PL.40991    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.02            | 2.41   | 21.69        | 11       | 159        | 22   | 99      | 0.03       | 0.0               | 2.632                               | 0.026 | 0    | 0          | 0            | 44        |
| PL.13974     | PL.40994    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.04            | 2.45   | 19.58        | 10       | 144        | 20   | 99      | 0.04       | 0.0               | 2.679                               | 0.048 | 0    | 0          | 0            | 42        |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.25234     | PL.13974    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.02            | 2.48                     | 18.54        | 10       | 136        | 19      | 99         | 0.03      | 0.0               | 2.710                               | 0.031 | 0    | 0          | 0            | 40 |
| 070930       | PL.25234    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.710                               | 0.000 | 2    | 0          | 1            | 1  |
| 070917       | PL.25234    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.22         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.710                               | 0.000 | 2    | 0          | 1            | 1  |
| 070914       | PL.25234    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.41         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.710                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.35075     | PL.25234    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.19         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.721                               | 0.011 | 0    | 0          | 0            | 1  |
| PD.5189      | PL.35075    | B   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.19         | 3        | 1          | 0       | 100        | 0.00      | 0.0               | 2.721                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.35076     | PD.5189     | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.19         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.746                               | 0.025 | 0    | 0          | 0            | 1  |
| 070908       | PL.35076    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.19         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.746                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.13975     | PL.25234    | B   | 4ACSR              | 7.41Y     | 123.4        | 0.09            | 2.56                     | 17.46        | 9        | 128        | 18      | 99         | 0.08      | 0.1               | 2.824                               | 0.114 | 0    | 0          | 0            | 36 |
| PL.13976     | PL.13975    | B   | 4ACSR              | 7.41Y     | 123.4        | 0.02            | 2.58                     | 17.46        | 9        | 128        | 18      | 99         | 0.02      | 0.0               | 2.850                               | 0.026 | 0    | 0          | 0            | 36 |
| PL.13977     | PL.13976    | B   | 4ACSR              | 7.40Y     | 123.4        | 0.03            | 2.61                     | 17.46        | 9        | 128        | 18      | 99         | 0.03      | 0.0               | 2.887                               | 0.037 | 0    | 0          | 0            | 36 |
| PL.13978     | PL.13977    | B   | 4ACSR              | 7.40Y     | 123.4        | 0.03            | 2.64                     | 16.22        | 8        | 119        | 16      | 99         | 0.03      | 0.0               | 2.929                               | 0.042 | 0    | 0          | 0            | 32 |
| 019934       | PL.13978    | B   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.64                     | 0.56         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.929                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.13979     | PL.13978    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.05            | 2.68                     | 15.66        | 8        | 115        | 16      | 99         | 0.04      | 0.0               | 2.998                               | 0.068 | 0    | 0          | 0            | 31 |
| PL.35086     | PL.13979    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.68                     | 4.56         | 2        | 33         | 5       | 99         | 0.00      | 0.0               | 3.007                               | 0.009 | 0    | 0          | 0            | 10 |
| PD.5194      | PL.35086    | B   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.68                     | 4.56         | 78       | 33         | 5       | 99         | 0.00      | 0.0               | 3.007                               | 0.000 | 0    | 0          | 0            | 10 |
| PL.35087     | PD.5194     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.69                     | 4.56         | 2        | 33         | 5       | 99         | 0.00      | 0.0               | 3.051                               | 0.044 | 0    | 0          | 0            | 10 |
| PL.1436      | PL.35087    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.70                     | 2.08         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 3.096                               | 0.045 | 0    | 0          | 0            | 4  |
| PL.1437      | PL.1436     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.70                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.161                               | 0.066 | 0    | 0          | 0            | 1  |
| 019925       | PL.1437     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.70                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.161                               | 0.000 | 7    | 1          | 1            | 1  |
| 019917       | PL.1436     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.70                     | 0.49         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 3.096                               | 0.000 | 4    | 0          | 1            | 1  |
| 019919       | PL.1436     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.70                     | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.096                               | 0.000 | 3    | 0          | 1            | 1  |
| 019916       | PL.1436     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.70                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.096                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.1438      | PL.35087    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.70                     | 1.01         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 3.091                               | 0.040 | 0    | 0          | 0            | 2  |
| 019933       | PL.1438     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.70                     | 0.85         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.091                               | 0.000 | 6    | 1          | 1            | 1  |
| 019918       | PL.1438     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.70                     | 0.17         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.091                               | 0.000 | 1    | 0          | 1            | 1  |
| 019954       | PL.35087    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.051                               | 0.000 | 0    | 0          | 1            | 1  |
| 019920       | PL.35087    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.42         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.051                               | 0.000 | 3    | 0          | 1            | 1  |
| 019923       | PL.35087    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.051                               | 0.000 | 2    | 0          | 1            | 1  |
| 019921       | PL.35087    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.74         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.051                               | 0.000 | 5    | 1          | 1            | 1  |
| PL.5941      | PL.13979    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.69                     | 10.48        | 5        | 77         | 11      | 99         | 0.01      | 0.0               | 3.018                               | 0.020 | 0    | 0          | 0            | 19 |
| PL.13980     | PL.5941     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.02            | 2.72                     | 10.17        | 5        | 75         | 10      | 99         | 0.01      | 0.0               | 3.075                               | 0.057 | 0    | 0          | 0            | 18 |
| PL.45269     | PL.13980    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.72                     | 1.31         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 3.080                               | 0.005 | 0    | 0          | 0            | 4  |
| PD.5192      | PL.45269    | B   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.72                     | 1.31         | 22       | 10         | 1       | 100        | 0.00      | 0.0               | 3.080                               | 0.000 | 0    | 0          | 0            | 4  |
| PL.45271     | PD.5192     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.72                     | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.123                               | 0.043 | 0    | 0          | 0            | 1  |
| 019939       | PL.45271    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.72                     | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.123                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.45270     | PD.5192     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.72                     | 1.22         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 3.087                               | 0.007 | 0    | 0          | 0            | 3  |
| PL.35082     | PL.45270    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.72                     | 1.22         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 3.123                               | 0.036 | 0    | 0          | 0            | 3  |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 019904       | PL.35082    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.72                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.123                               | 0.000 | 2    | 0          | 1            | 1  |
| 019905       | PL.35082    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.72                     | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.123                               | 0.000 | 3    | 0          | 1            | 1  |
| 019943       | PL.35082    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.72                     | 0.54         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.123                               | 0.000 | 4    | 1          | 1            | 1  |
| 019952       | PL.35082    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.72                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.123                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.35079     | PL.13980    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.72                     | 1.14         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.085                               | 0.009 | 0    | 0          | 0            | 2  |
| PD.5191      | PL.35079    | B   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.72                     | 1.14         | 20       | 8          | 1       | 99         | 0.00      | 0.0               | 3.085                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.35080     | PD.5191     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.72                     | 1.14         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.165                               | 0.080 | 0    | 0          | 0            | 2  |
| 019906       | PL.35080    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.72                     | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.165                               | 0.000 | 6    | 1          | 1            | 1  |
| 019947       | PL.35080    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.72                     | 0.39         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.165                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.13981     | PL.13980    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.02            | 2.74                     | 7.72         | 4        | 57         | 8       | 99         | 0.01      | 0.0               | 3.149                               | 0.074 | 0    | 0          | 0            | 12 |
| PL.35083     | PL.13981    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.74                     | 1.13         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.160                               | 0.010 | 0    | 0          | 0            | 1  |
| PD.5193      | PL.35083    | B   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.74                     | 1.13         | 19       | 8          | 1       | 99         | 0.00      | 0.0               | 3.160                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.35084     | PD.5193     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.75                     | 1.13         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.240                               | 0.081 | 0    | 0          | 0            | 1  |
| 019907       | PL.35084    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.75                     | 1.13         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.240                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.5943      | PL.13981    | B   | 4ACSR              | 7.39Y     | 123.2        | 0.01            | 2.75                     | 4.58         | 2        | 34         | 5       | 99         | 0.00      | 0.0               | 3.210                               | 0.061 | 0    | 0          | 0            | 8  |
| 019910       | PL.5943     | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.75                     | 0.64         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.210                               | 0.000 | 5    | 1          | 1            | 1  |
| 019955       | PL.5943     | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.75                     | 0.48         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 3.210                               | 0.000 | 4    | 0          | 1            | 1  |
| 019911       | PL.5943     | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.75                     | 0.56         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.210                               | 0.000 | 4    | 1          | 1            | 1  |
| 019912       | PL.5943     | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.75                     | 0.45         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.210                               | 0.000 | 3    | 0          | 1            | 1  |
| 019914       | PL.5943     | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.75                     | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.210                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.13982     | PL.5943     | B   | 4ACSR              | 7.39Y     | 123.2        | 0.01            | 2.76                     | 1.93         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 3.296                               | 0.086 | 0    | 0          | 0            | 3  |
| PL.1449      | PL.13982    | B   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.76                     | 1.40         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 3.361                               | 0.065 | 0    | 0          | 0            | 2  |
| PL.1450      | PL.1449     | B   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.77                     | 0.61         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.451                               | 0.090 | 0    | 0          | 0            | 1  |
| 019913       | PL.1450     | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.77                     | 0.61         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.451                               | 0.000 | 4    | 1          | 1            | 1  |
| 019926       | PL.1449     | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.76                     | 0.79         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.361                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.35090     | PL.13982    | B   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.76                     | 0.53         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.300                               | 0.004 | 0    | 0          | 0            | 1  |
| PD.5196      | PL.35090    | B   | fuse6AMP           | 7.39Y     | 123.2        | 0.00            | 2.76                     | 0.53         | 9        | 4          | 1       | 97         | 0.00      | 0.0               | 3.300                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.35091     | PD.5196     | B   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.76                     | 0.53         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.406                               | 0.106 | 0    | 0          | 0            | 1  |
| 018902       | PL.35091    | B   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.76                     | 0.53         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.406                               | 0.000 | 4    | 1          | 1            | 1  |
| 019932       | PL.13981    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.74                     | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.149                               | 0.000 | 3    | 0          | 1            | 1  |
| 019929       | PL.13981    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.74                     | 0.88         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.149                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.35088     | PL.13981    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.74                     | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.164                               | 0.015 | 0    | 0          | 0            | 1  |
| PD.5195      | PL.35088    | B   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.74                     | 0.76         | 13       | 6          | 1       | 99         | 0.00      | 0.0               | 3.164                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.35089     | PD.5195     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.74                     | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.201                               | 0.037 | 0    | 0          | 0            | 1  |
| 019936       | PL.35089    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.74                     | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.201                               | 0.000 | 6    | 1          | 1            | 1  |
| 019909       | PL.5941     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.018                               | 0.000 | 2    | 0          | 1            | 1  |
| 019924       | PL.13979    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.68                     | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.998                               | 0.000 | 2    | 0          | 1            | 1  |
| 019908       | PL.13979    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.68                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.998                               | 0.000 | 2    | 0          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 019935       | PL.13977    | B   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.61                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.887                               | 0.000 | 2    | 0          | 1            | 1 |
| 019951       | PL.13977    | B   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.61                     | 0.72         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.887                               | 0.000 | 5    | 1          | 1            | 1 |
| 019953       | PL.13977    | B   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.61                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.887                               | 0.000 | 0    | 0          | 1            | 1 |
| 019937       | PL.13977    | B   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.61                     | 0.25         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.887                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.35077     | PL.13975    | B   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.56                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.828                               | 0.003 | 0    | 0          | 0            | 0 |
| 070912       | PL.13974    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.45                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.679                               | 0.000 | 2    | 0          | 1            | 1 |
| 070913       | PL.13974    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.45                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.679                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.35073     | PL.40994    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.41                     | 2.10         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 2.639                               | 0.007 | 0    | 0          | 0            | 2 |
| PD.5188      | PL.35073    | B   | fuse6AMP           | 7.42Y     | 123.6        | 0.00            | 2.41                     | 2.10         | 36       | 15         | 2       | 99         | 0.00      | 0.0               | 2.639                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.35074     | PD.5188     | B   | 4ACSR              | 7.41Y     | 123.6        | 0.01            | 2.42                     | 2.10         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 2.738                               | 0.099 | 0    | 0          | 0            | 2 |
| PL.35102     | PL.35074    | B   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.42                     | 2.10         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 2.761                               | 0.023 | 0    | 0          | 0            | 2 |
| 019839       | PL.35102    | B   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.42                     | 0.93         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.761                               | 0.000 | 7    | 1          | 1            | 1 |
| 019831       | PL.35102    | B   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.42                     | 1.17         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.761                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.35067     | PL.35065    | B   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.69         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.305                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.5185      | PL.35067    | B   | fuse6AMP           | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.69         | 12       | 5          | 1       | 98         | 0.00      | 0.0               | 2.305                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.35068     | PD.5185     | B   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.69         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.358                               | 0.052 | 0    | 0          | 0            | 1 |
| 070816       | PL.35068    | B   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.69         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.358                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.13955     | PL.380      | A   | 4ACSR              | 7.42Y     | 123.7        | 0.01            | 2.34                     | 2.42         | 1        | 16         | 8       | 89         | 0.00      | 0.0               | 2.268                               | 0.060 | 0    | 0          | 0            | 4 |
| PL.13956     | PL.13955    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.34                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.288                               | 0.020 | 0    | 0          | 0            | 1 |
| 070873       | PL.13956    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.34                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.288                               | 0.000 | 0    | 0          | 1            | 1 |
| 070824       | PL.13955    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.34                     | 1.68         | 0        | 11         | 5       | 91         | 0.00      | 0.0               | 2.268                               | 0.000 | 11   | 5          | 1            | 1 |
| 070807       | PL.13955    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.34                     | 0.53         | 0        | 4          | 2       | 89         | 0.00      | 0.0               | 2.268                               | 0.000 | 4    | 2          | 1            | 1 |
| 070850       | PL.13955    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.34                     | 0.17         | 0        | 1          | 1       | 71         | 0.00      | 0.0               | 2.268                               | 0.000 | 1    | 1          | 1            | 1 |
| 070830       | PL.21617    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.29                     | 0.25         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.164                               | 0.000 | 2    | 0          | 1            | 1 |
| 071807       | PL.21617    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.29                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.164                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.38786     | PL.21617    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.29                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.181                               | 0.017 | 0    | 0          | 0            | 2 |
| PD.6720      | PL.38786    | A   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.29                     | 0.80         | 14       | 6          | 1       | 99         | 0.00      | 0.0               | 2.181                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.38787     | PD.6720     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.29                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.198                               | 0.017 | 0    | 0          | 0            | 2 |
| PL.18889     | PL.38787    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.30                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.288                               | 0.090 | 0    | 0          | 0            | 2 |
| 071818       | PL.18889    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.30                     | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.288                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.13984     | PL.18889    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.30                     | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.305                               | 0.017 | 0    | 0          | 0            | 1 |
| PL.17517     | PL.13984    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.30                     | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.310                               | 0.006 | 0    | 0          | 0            | 1 |
| PL.17518     | PL.17517    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.30                     | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.350                               | 0.039 | 0    | 0          | 0            | 1 |
| 071812       | PL.17518    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.30                     | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.350                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.17496     | PL.13899    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.68                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.475                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.3229      | PL.17496    | C   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.68                     | 0.07         | 1        | 1          | 0       | 100        | 0.00      | 0.0               | 1.475                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.17497     | PD.3229     | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.68                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.533                               | 0.058 | 0    | 0          | 0            | 1 |
| 071852       | PL.17497    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.68                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.533                               | 0.000 | 1    | 0          | 1            | 1 |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|---------------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                     | %<br>Loss         | KW |            |              | KVAR |
| 600914       | PL.13896    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.55   | 0.18         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.304               | 0.000             | 1  | 0          | 1            | 1    |
| 600910       | PL.13896    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.55   | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.304               | 0.000             | 1  | 0          | 1            | 1    |
| PL.3732      | PL.7475     | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.52   | 1.15         | 1        | 9          | 1    | 99      | 0.00       | 0.0               | 1.309               | 0.039             | 0  | 0          | 0            | 3    |
| 600919       | PL.3732     | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.52   | 0.39         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.309               | 0.000             | 3  | 0          | 1            | 1    |
| 600920       | PL.3732     | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.52   | 0.05         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.309               | 0.000             | 0  | 0          | 1            | 1    |
| 600918       | PL.3732     | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.52   | 0.71         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.309               | 0.000             | 5  | 1          | 1            | 1    |
| PL.17403     | PL.7475     | A   | 4ACSR              | 7.47Y     | 124.5        | 0.01            | 1.50   | 35.41        | 18       | 262        | 37   | 99      | 0.02       | 0.0               | 1.276               | 0.005             | 0  | 0          | 0            | 75   |
| C PD.2097    | PL.17403    | A   | fuse6AMP           | 7.47Y     | 124.5        | 0.00            | 1.50   | 35.41        | 605      | 262        | 37   | 99      | 0.00       | 0.0               | 1.276               | 0.000             | 0  | 0          | 0            | 75 C |
| PL.17404     | PD.2097     | A   | 4ACSR              | 7.47Y     | 124.5        | 0.01            | 1.51   | 35.41        | 18       | 262        | 37   | 99      | 0.02       | 0.0               | 1.281               | 0.005             | 0  | 0          | 0            | 75   |
| PD.3564      | PL.17404    | A   | 70V4E              | 7.47Y     | 124.5        | 0.00            | 1.51   | 35.41        | 0        | 262        | 37   | 99      | 0.00       | 0.0               | 1.281               | 0.000             | 0  | 0          | 0            | 75   |
| PL.17405     | PD.3564     | A   | 4ACSR              | 7.47Y     | 124.5        | 0.03            | 1.54   | 35.41        | 18       | 262        | 37   | 99      | 0.06       | 0.0               | 1.302               | 0.021             | 0  | 0          | 0            | 75   |
| 600911       | PL.17405    | A   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.54   | 0.32         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.302               | 0.000             | 2  | 0          | 1            | 1    |
| PL.13887     | PL.17405    | A   | 4ACSR              | 7.46Y     | 124.4        | 0.06            | 1.59   | 35.09        | 18       | 260        | 36   | 99      | 0.11       | 0.0               | 1.340               | 0.038             | 0  | 0          | 0            | 74   |
| PL.13888     | PL.13887    | A   | 4ACSR              | 7.46Y     | 124.4        | 0.04            | 1.63   | 33.42        | 17       | 247        | 35   | 99      | 0.07       | 0.0               | 1.366               | 0.026             | 0  | 0          | 0            | 71   |
| PL.3756      | PL.13888    | A   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.63   | 0.93         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.386               | 0.020             | 0  | 0          | 0            | 3    |
| PL.3757      | PL.3756     | A   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.63   | 0.08         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.437               | 0.051             | 0  | 0          | 0            | 1    |
| 601008       | PL.3757     | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.63   | 0.08         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.437               | 0.000             | 1  | 0          | 1            | 1    |
| 601007       | PL.3756     | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.63   | 0.17         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.386               | 0.000             | 1  | 0          | 1            | 1    |
| 601006       | PL.3756     | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.63   | 0.68         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.386               | 0.000             | 5  | 1          | 1            | 1    |
| PL.13889     | PL.13888    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.25            | 1.88   | 32.48        | 17       | 240        | 34   | 99      | 0.45       | 0.2               | 1.544               | 0.178             | 0  | 0          | 0            | 68   |
| PL.7467      | PL.13889    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.10            | 1.98   | 32.48        | 17       | 240        | 33   | 99      | 0.18       | 0.1               | 1.615               | 0.071             | 0  | 0          | 0            | 68   |
| PL.7772      | PL.7467     | A   | 4ACSR              | 7.44Y     | 123.9        | 0.09            | 2.06   | 32.48        | 17       | 239        | 33   | 99      | 0.16       | 0.1               | 1.677               | 0.062             | 0  | 0          | 0            | 68   |
| PL.7773      | PL.7772     | A   | 4ACSR              | 7.43Y     | 123.9        | 0.04            | 2.10   | 32.48        | 17       | 239        | 33   | 99      | 0.07       | 0.0               | 1.704               | 0.027             | 0  | 0          | 0            | 68   |
| PL.19867     | PL.7773     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.06            | 2.16   | 31.82        | 16       | 234        | 32   | 99      | 0.10       | 0.0               | 1.745               | 0.041             | 0  | 0          | 0            | 66   |
| PL.19635     | PL.19867    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.04            | 2.20   | 30.09        | 16       | 221        | 31   | 99      | 0.06       | 0.0               | 1.775               | 0.030             | 0  | 0          | 0            | 63   |
| 633103       | PL.19635    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20   | 0.84         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.775               | 0.000             | 6  | 1          | 1            | 1    |
| 633205       | PL.19635    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20   | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.775               | 0.000             | 2  | 0          | 1            | 1    |
| 633105       | PL.19635    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.775               | 0.000             | 0  | 0          | 0            | 0    |
| PL.19636     | PL.19635    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.01            | 2.20   | 28.97        | 15       | 213        | 29   | 99      | 0.01       | 0.0               | 1.782               | 0.007             | 0  | 0          | 0            | 61   |
| PL.13890     | PL.19636    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.04            | 2.25   | 26.43        | 14       | 194        | 27   | 99      | 0.07       | 0.0               | 1.822               | 0.040             | 0  | 0          | 0            | 58   |
| PL.38892     | PL.13890    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.25   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.825               | 0.003             | 0  | 0          | 0            | 0    |
| PD.6758      | PL.38892    | A   | fuse6AMP           | 7.43Y     | 123.8        | 0.00            | 2.25   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.825               | 0.000             | 0  | 0          | 0            | 0    |
| PL.38891     | PD.6758     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.25   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.961               | 0.136             | 0  | 0          | 0            | 0    |
| PL.3865      | PL.38891    | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.25   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.151               | 0.190             | 0  | 0          | 0            | 0    |
| PL.13891     | PL.13890    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.03            | 2.28   | 25.26        | 13       | 186        | 26   | 99      | 0.05       | 0.0               | 1.852               | 0.030             | 0  | 0          | 0            | 57   |
| 633202       | PL.13891    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.28   | 0.27         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.852               | 0.000             | 2  | 0          | 1            | 1    |
| PL.13892     | PL.13891    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.02            | 2.31   | 24.99        | 13       | 184        | 25   | 99      | 0.03       | 0.0               | 1.875               | 0.023             | 0  | 0          | 0            | 56   |
| PL.13893     | PL.13892    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.01            | 2.32   | 16.52        | 9        | 121        | 17   | 99      | 0.01       | 0.0               | 1.891               | 0.016             | 0  | 0          | 0            | 43   |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            | mi<br>From<br>Src | Length<br>(mi) | Element   |       | Cons<br>On | Cons<br>Thru |      |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-------------------|----------------|-----------|-------|------------|--------------|------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss |                   |                | %<br>Loss | KW    |            |              | KVAR |    |
| PL.13894     | PL.13893    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.03            | 2.35                     | 15.68        | 8        | 115        | 16        | 99         | 0.03              | 0.0            | 1.935     | 0.044 | 0          | 0            | 0    | 42 |
| PL.38897     | PL.13894    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.35                     | 14.21        | 7        | 104        | 14        | 99         | 0.00              | 0.0            | 1.937     | 0.002 | 0          | 0            | 0    | 40 |
| PD.6761-A    | PL.38897    | A   | Closed             | 7.42Y     | 123.7        | 0.00            | 2.35                     | 14.21        | 0        | 104        | 14        | 99         | 0.00              | 0.0            | 1.937     | 0.000 | 0          | 0            | 0    | 40 |
| PD.6761-B    | PD.6761-A   | A   | Closed             | 7.42Y     | 123.7        | 0.00            | 2.35                     | 14.21        | 0        | 104        | 14        | 99         | 0.00              | 0.0            | 1.937     | 0.000 | 0          | 0            | 0    | 40 |
| PL.38898     | PD.6761-B   | A   | 4ACSR              | 7.42Y     | 123.6        | 0.03            | 2.37                     | 14.21        | 7        | 104        | 14        | 99         | 0.02              | 0.0            | 1.979     | 0.041 | 0          | 0            | 0    | 40 |
| PL.7757      | PL.38898    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.39                     | 7.15         | 4        | 53         | 7         | 99         | 0.01              | 0.0            | 2.025     | 0.046 | 0          | 0            | 0    | 21 |
| PL.3429      | PL.7757     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.35         | 0        | 3          | 0         | 100        | 0.00              | 0.0            | 2.053     | 0.028 | 0          | 0            | 0    | 2  |
| 635219       | PL.3429     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.34         | 0        | 3          | 0         | 100        | 0.00              | 0.0            | 2.053     | 0.000 | 3          | 0            | 1    | 1  |
| 635220       | PL.3429     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0            | 2.053     | 0.000 | 0          | 0            | 1    | 1  |
| PL.7756      | PL.7757     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.40                     | 5.21         | 3        | 38         | 5         | 99         | 0.00              | 0.0            | 2.072     | 0.048 | 0          | 0            | 0    | 10 |
| PL.24343     | PL.7756     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0            | 2.090     | 0.017 | 0          | 0            | 0    | 0  |
| 634228       | PL.7756     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.31         | 0        | 2          | 0         | 100        | 0.00              | 0.0            | 2.072     | 0.000 | 2          | 0            | 1    | 1  |
| 635210       | PL.7756     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.81         | 0        | 6          | 1         | 99         | 0.00              | 0.0            | 2.072     | 0.000 | 6          | 1            | 1    | 1  |
| 635209       | PL.7756     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 1.05         | 0        | 8          | 1         | 99         | 0.00              | 0.0            | 2.072     | 0.000 | 8          | 1            | 1    | 1  |
| 635224       | PL.7756     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.85         | 0        | 6          | 1         | 99         | 0.00              | 0.0            | 2.072     | 0.000 | 6          | 1            | 1    | 1  |
| 634230       | PL.7756     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.18         | 0        | 1          | 0         | 100        | 0.00              | 0.0            | 2.072     | 0.000 | 1          | 0            | 1    | 1  |
| 635202       | PL.7756     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.55         | 0        | 4          | 1         | 97         | 0.00              | 0.0            | 2.072     | 0.000 | 4          | 1            | 1    | 1  |
| 634229       | PL.7756     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.14         | 0        | 1          | 0         | 100        | 0.00              | 0.0            | 2.072     | 0.000 | 1          | 0            | 1    | 1  |
| 634227       | PL.7756     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.39         | 0        | 3          | 0         | 100        | 0.00              | 0.0            | 2.072     | 0.000 | 3          | 0            | 1    | 1  |
| 635206       | PL.7756     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.62         | 0        | 5          | 1         | 98         | 0.00              | 0.0            | 2.072     | 0.000 | 5          | 1            | 1    | 1  |
| 635223       | PL.7756     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.30         | 0        | 2          | 0         | 100        | 0.00              | 0.0            | 2.072     | 0.000 | 2          | 0            | 1    | 1  |
| PL.24342     | PL.7756     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0            | 2.090     | 0.018 | 0          | 0            | 0    | 0  |
| 635217       | PL.7757     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.20         | 0        | 1          | 0         | 100        | 0.00              | 0.0            | 2.025     | 0.000 | 1          | 0            | 1    | 1  |
| 635218       | PL.7757     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.02         | 0        | 0          | 0         | 100        | 0.00              | 0.0            | 2.025     | 0.000 | 0          | 0            | 1    | 1  |
| 635204       | PL.7757     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.19         | 0        | 1          | 0         | 100        | 0.00              | 0.0            | 2.025     | 0.000 | 1          | 0            | 1    | 1  |
| 635225       | PL.7757     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.07         | 0        | 1          | 0         | 100        | 0.00              | 0.0            | 2.025     | 0.000 | 1          | 0            | 1    | 1  |
| 635226       | PL.7757     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.12         | 0        | 1          | 0         | 100        | 0.00              | 0.0            | 2.025     | 0.000 | 1          | 0            | 1    | 1  |
| 635213       | PL.7757     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.28         | 0        | 2          | 0         | 100        | 0.00              | 0.0            | 2.025     | 0.000 | 2          | 0            | 1    | 1  |
| 635201       | PL.7757     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0            | 2.025     | 0.000 | 0          | 0            | 0    | 0  |
| 635221       | PL.7757     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.11         | 0        | 1          | 0         | 100        | 0.00              | 0.0            | 2.025     | 0.000 | 1          | 0            | 1    | 1  |
| 635205       | PL.7757     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.42         | 0        | 3          | 0         | 100        | 0.00              | 0.0            | 2.025     | 0.000 | 3          | 0            | 1    | 1  |
| 635222       | PL.7757     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.18         | 0        | 1          | 0         | 100        | 0.00              | 0.0            | 2.025     | 0.000 | 1          | 0            | 1    | 1  |
| 634203       | PL.38898    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.85         | 0        | 6          | 1         | 99         | 0.00              | 0.0            | 1.979     | 0.000 | 6          | 1            | 1    | 1  |
| 634206       | PL.38898    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.33         | 0        | 2          | 0         | 100        | 0.00              | 0.0            | 1.979     | 0.000 | 2          | 0            | 1    | 1  |
| 634221       | PL.38898    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0            | 1.979     | 0.000 | 0          | 0            | 1    | 1  |
| 634214       | PL.38898    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0            | 1.979     | 0.000 | 0          | 0            | 0    | 0  |
| 634212       | PL.38898    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0            | 1.979     | 0.000 | 0          | 0            | 0    | 0  |
| 634213       | PL.38898    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.00         | 0        | 0          | 0         | 100        | 0.00              | 0.0            | 1.979     | 0.000 | 0          | 0            | 0    | 0  |



Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |      |
| 634204       | PL.38898    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 1.07         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 1.979             | 0.000 | 8          | 1            | 1    | 1    |
| 634222       | PL.38898    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.979             | 0.000 | 0          | 0            | 0    | 0    |
| 634211       | PL.38898    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.979             | 0.000 | 0          | 0            | 0    | 0    |
| PL.7754      | PL.38898    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.38                     | 4.81         | 2        | 35         | 5         | 99         | 0.00      | 0.0               | 2.022             | 0.043 | 0          | 0            | 0    | 15   |
| PL.7755      | PL.7754     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.39                     | 2.84         | 1        | 21         | 3         | 99         | 0.00      | 0.0               | 2.065             | 0.043 | 0          | 0            | 0    | 9    |
| 635107       | PL.7755     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.065             | 0.000 | 0          | 0            | 1    | 1    |
| 635103       | PL.7755     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.065             | 0.000 | 0          | 0            | 0    | 0    |
| 635105       | PL.7755     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.33         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 2.065             | 0.000 | 2          | 0            | 1    | 1    |
| 635102       | PL.7755     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.22         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 2.065             | 0.000 | 2          | 0            | 1    | 1    |
| 635104       | PL.7755     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.27         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 2.065             | 0.000 | 2          | 0            | 1    | 1    |
| 635108       | PL.7755     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.38         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 2.065             | 0.000 | 3          | 0            | 1    | 1    |
| 635106       | PL.7755     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.27         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 2.065             | 0.000 | 2          | 0            | 1    | 1    |
| 634103       | PL.7755     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.24         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 2.065             | 0.000 | 2          | 0            | 1    | 1    |
| 634101       | PL.7755     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.065             | 0.000 | 0          | 0            | 0    | 0    |
| 634102       | PL.7755     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.87         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 2.065             | 0.000 | 6          | 1            | 1    | 1    |
| 635101       | PL.7755     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.26         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 2.065             | 0.000 | 2          | 0            | 1    | 1    |
| 634220       | PL.7754     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.22         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 2.022             | 0.000 | 2          | 0            | 1    | 1    |
| 634223       | PL.7754     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.16         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 2.022             | 0.000 | 1          | 0            | 1    | 1    |
| 634224       | PL.7754     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.022             | 0.000 | 0          | 0            | 1    | 1    |
| 634202       | PL.7754     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.69         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 2.022             | 0.000 | 5          | 1            | 1    | 1    |
| 634105       | PL.7754     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.84         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 2.022             | 0.000 | 6          | 1            | 1    | 1    |
| 634216       | PL.7754     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.04         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.022             | 0.000 | 0          | 0            | 1    | 1    |
| PL.38895     | PL.13894    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.35                     | 1.48         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 1.936             | 0.002 | 0          | 0            | 0    | 2    |
| PD.6760      | PL.38895    | A   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.35                     | 1.48         | 25       | 11         | 1         | 100        | 0.00      | 0.0               | 1.936             | 0.000 | 0          | 0            | 0    | 2    |
| PL.38896     | PD.6760     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.35                     | 1.48         | 1        | 11         | 1         | 100        | 0.00      | 0.0               | 1.985             | 0.048 | 0          | 0            | 0    | 2    |
| PL.3863      | PL.38896    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.35                     | 0.59         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 2.021             | 0.036 | 0          | 0            | 0    | 1    |
| 634301       | PL.3863     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.35                     | 0.59         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 2.021             | 0.000 | 4          | 1            | 1    | 1    |
| PL.3431      | PL.38896    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.35                     | 0.89         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 2.022             | 0.037 | 0          | 0            | 0    | 1    |
| 634231       | PL.3431     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.35                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.022             | 0.000 | 0          | 0            | 0    | 0    |
| 634218       | PL.3431     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.35                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.022             | 0.000 | 0          | 0            | 0    | 0    |
| 634226       | PL.3431     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.35                     | 0.89         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 2.022             | 0.000 | 7          | 1            | 1    | 1    |
| 634205       | PL.13893    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.84         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 1.891             | 0.000 | 6          | 1            | 1    | 1    |
| 633204       | PL.13892    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.31                     | 0.40         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.875             | 0.000 | 3          | 0            | 1    | 1    |
| 634210       | PL.13892    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.31                     | 0.28         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.875             | 0.000 | 2          | 0            | 1    | 1    |
| PL.38893     | PL.13892    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.31                     | 7.79         | 4        | 57         | 8         | 99         | 0.00      | 0.0               | 1.879             | 0.004 | 0          | 0            | 0    | 11   |
| C PD.6759    | PL.38893    | A   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.31                     | 7.79         | 133      | 57         | 8         | 99         | 0.00      | 0.0               | 1.879             | 0.000 | 0          | 0            | 0    | 11 C |
| PL.38894     | PD.6759     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.01            | 2.32                     | 7.79         | 4        | 57         | 8         | 99         | 0.01      | 0.0               | 1.914             | 0.035 | 0          | 0            | 0    | 11   |
| PL.7762      | PL.38894    | A   | 4ACSR              | 7.42Y     | 123.7        | 0.01            | 2.33                     | 5.34         | 3        | 39         | 5         | 99         | 0.00      | 0.0               | 1.945             | 0.031 | 0          | 0            | 0    | 8    |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |                      |    | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |   | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|----------------------|----|------------|---------|------------|-----------|-------------------|-------------------|---|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | mi<br>Length<br>(mi) | KW |            |         |            |           |                   | KVAR              |   |            |              |
| 634111       | PL.7762     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.33                     | 1.07         | 0        | 8                    | 1  | 99         | 0.00    | 0.0        | 1.945     | 0.000             | 8                 | 1 | 1          | 1            |
| 634217       | PL.7762     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.33                     | 0.73         | 0        | 5                    | 1  | 98         | 0.00    | 0.0        | 1.945     | 0.000             | 5                 | 1 | 1          | 1            |
| 634107       | PL.7762     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.33                     | 0.38         | 0        | 3                    | 0  | 100        | 0.00    | 0.0        | 1.945     | 0.000             | 3                 | 0 | 1          | 1            |
| 634207       | PL.7762     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.33                     | 0.87         | 0        | 6                    | 1  | 99         | 0.00    | 0.0        | 1.945     | 0.000             | 6                 | 1 | 1          | 1            |
| PL.7758      | PL.7762     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.33                     | 2.28         | 1        | 17                   | 2  | 99         | 0.00    | 0.0        | 1.982     | 0.037             | 0                 | 0 | 0          | 4            |
| 634110       | PL.7758     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.33                     | 0.79         | 0        | 6                    | 1  | 99         | 0.00    | 0.0        | 1.982     | 0.000             | 6                 | 1 | 1          | 1            |
| 634104       | PL.7758     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.33                     | 0.28         | 0        | 2                    | 0  | 100        | 0.00    | 0.0        | 1.982     | 0.000             | 2                 | 0 | 1          | 1            |
| 634112       | PL.7758     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.33                     | 0.26         | 0        | 2                    | 0  | 100        | 0.00    | 0.0        | 1.982     | 0.000             | 2                 | 0 | 1          | 1            |
| 634106       | PL.7758     | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.33                     | 0.96         | 0        | 7                    | 1  | 99         | 0.00    | 0.0        | 1.982     | 0.000             | 7                 | 1 | 1          | 1            |
| 634208       | PL.38894    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.92         | 0        | 7                    | 1  | 99         | 0.00    | 0.0        | 1.914     | 0.000             | 7                 | 1 | 1          | 1            |
| 633206       | PL.38894    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.72         | 0        | 5                    | 1  | 98         | 0.00    | 0.0        | 1.914     | 0.000             | 5                 | 1 | 1          | 1            |
| 634219       | PL.38894    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.81         | 0        | 6                    | 1  | 99         | 0.00    | 0.0        | 1.914     | 0.000             | 6                 | 1 | 1          | 1            |
| 634209       | PL.38894    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.32                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00    | 0.0        | 1.914     | 0.000             | 0                 | 0 | 0          | 0            |
| 633201       | PL.13890    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.25                     | 1.17         | 0        | 9                    | 1  | 99         | 0.00    | 0.0        | 1.822     | 0.000             | 9                 | 1 | 1          | 1            |
| 633207       | PL.19636    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 1.08         | 0        | 8                    | 1  | 99         | 0.00    | 0.0        | 1.782     | 0.000             | 8                 | 1 | 1          | 1            |
| 633203       | PL.19636    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.37         | 0        | 3                    | 0  | 100        | 0.00    | 0.0        | 1.782     | 0.000             | 3                 | 0 | 1          | 1            |
| 633208       | PL.19636    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20                     | 1.08         | 0        | 8                    | 1  | 99         | 0.00    | 0.0        | 1.782     | 0.000             | 8                 | 1 | 1          | 1            |
| 633107       | PL.19867    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.16                     | 0.63         | 0        | 5                    | 1  | 98         | 0.00    | 0.0        | 1.745     | 0.000             | 5                 | 1 | 1          | 1            |
| 633104       | PL.19867    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.16                     | 0.49         | 0        | 4                    | 0  | 100        | 0.00    | 0.0        | 1.745     | 0.000             | 4                 | 0 | 1          | 1            |
| 633106       | PL.19867    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.16                     | 0.61         | 0        | 4                    | 1  | 97         | 0.00    | 0.0        | 1.745     | 0.000             | 4                 | 1 | 1          | 1            |
| 633102       | PL.7773     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.10                     | 0.67         | 0        | 5                    | 1  | 98         | 0.00    | 0.0        | 1.704     | 0.000             | 5                 | 1 | 1          | 1            |
| 633101       | PL.7773     | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.10                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00    | 0.0        | 1.704     | 0.000             | 0                 | 0 | 1          | 1            |
| 633108       | PL.7772     | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00    | 0.0        | 1.677     | 0.000             | 0                 | 0 | 0          | 0            |
| 601001       | PL.13887    | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.59                     | 0.17         | 0        | 1                    | 0  | 100        | 0.00    | 0.0        | 1.340     | 0.000             | 1                 | 0 | 1          | 1            |
| 601005       | PL.13887    | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.59                     | 0.82         | 0        | 6                    | 1  | 99         | 0.00    | 0.0        | 1.340     | 0.000             | 6                 | 1 | 1          | 1            |
| 601003       | PL.13887    | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.59                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00    | 0.0        | 1.340     | 0.000             | 0                 | 0 | 0          | 0            |
| 601004       | PL.13887    | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.59                     | 0.69         | 0        | 5                    | 1  | 98         | 0.00    | 0.0        | 1.340     | 0.000             | 5                 | 1 | 1          | 1            |
| 600916       | PL.7475     | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.10                     | 0.36         | 0        | 3                    | 0  | 100        | 0.00    | 0.0        | 1.270     | 0.000             | 3                 | 0 | 1          | 1            |
| PL.17406     | PL.16953    | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.48                     | 0.66         | 0        | 5                    | 1  | 98         | 0.00    | 0.0        | 1.239     | 0.005             | 0                 | 0 | 0          | 2            |
| PD.2098      | PL.17406    | C   | fuse6AMP           | 7.47Y     | 124.5        | 0.00            | 1.48                     | 0.66         | 11       | 5                    | 1  | 98         | 0.00    | 0.0        | 1.239     | 0.000             | 0                 | 0 | 0          | 2            |
| PL.17407     | PD.2098     | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.49                     | 0.66         | 0        | 5                    | 1  | 98         | 0.00    | 0.0        | 1.293     | 0.053             | 0                 | 0 | 0          | 2            |
| PL.7476      | PL.17407    | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.49                     | 0.40         | 0        | 3                    | 0  | 100        | 0.00    | 0.0        | 1.314     | 0.021             | 0                 | 0 | 0          | 1            |
| 600801       | PL.7476     | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.49                     | 0.40         | 0        | 3                    | 0  | 100        | 0.00    | 0.0        | 1.314     | 0.000             | 3                 | 0 | 1          | 1            |
| 600915       | PL.17407    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.49                     | 0.25         | 0        | 2                    | 0  | 100        | 0.00    | 0.0        | 1.293     | 0.000             | 2                 | 0 | 1          | 1            |
| 601808       | PL.33042    | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.37                     | 0.13         | 0        | 1                    | 0  | 100        | 0.00    | 0.0        | 1.162     | 0.000             | 1                 | 0 | 1          | 1            |
| 601902       | PL.33042    | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.37                     | 0.37         | 0        | 3                    | 0  | 100        | 0.00    | 0.0        | 1.162     | 0.000             | 3                 | 0 | 1          | 1            |
| 601809       | PL.33042    | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.37                     | 0.03         | 0        | 0                    | 0  | 100        | 0.00    | 0.0        | 1.162     | 0.000             | 0                 | 0 | 1          | 1            |
| 601906       | PL.33041    | C   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.39                     | 0.71         | 0        | 5                    | 2  | 93         | 0.00    | 0.0        | 1.134     | 0.000             | 5                 | 2 | 1          | 1            |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf         | Type/<br>Conductor | Pri<br>kV               | Base<br>Volt            | Element<br>Drop      | Units Displayed In Volts |                      |             |             |                 |                      |                   | mi<br>From<br>Src       | -----Element-----<br>Length<br>(mi) | KW          | KVAR        | Cons<br>On  | Cons<br>Thru |
|--------------|-------------|-------------|--------------------|-------------------------|-------------------------|----------------------|--------------------------|----------------------|-------------|-------------|-----------------|----------------------|-------------------|-------------------------|-------------------------------------|-------------|-------------|-------------|--------------|
|              |             |             |                    |                         |                         |                      | Accum<br>Drop            | Thru<br>Amps         | %<br>Cap    | Thru<br>KW  | %<br>PF         | kW<br>Loss           | %<br>Loss         |                         |                                     |             |             |             |              |
| PL.38843     | PL.13883    | A<br>C      | 4ACSR              | 7.48Y<br>7.48Y          | 124.7<br>124.6          | -0.00<br>0.00        | 1.34<br>1.38             | 0.01<br>0.01         | 0<br>0      | 0<br>0      | 100<br>99       | 0.00<br>0.00         | 0.0<br>0.0        | 1.134<br>1.134          | 0.005<br>0.000                      | 0<br>0      | 0<br>0      | 0<br>0      | 1<br>1       |
| PD.6738      | PL.38843    | A<br>C      | fuse6AMP           | 7.48Y<br>7.48Y          | 124.7<br>124.6          | 0.00<br>0.00         | 1.34<br>1.38             | 0.01<br>0.01         | 0<br>0      | 0<br>0      | 100<br>99       | 0.00<br>0.00         | 0.0<br>0.0        | 1.134<br>1.134          | 0.000<br>0.000                      | 0<br>0      | 0<br>0      | 0<br>0      | 1<br>1       |
| PL.38844     | PD.6738     | A<br>C      | 4ACSR              | 7.48Y<br>7.48Y          | 124.7<br>124.6          | -0.00<br>0.00        | 1.34<br>1.38             | 0.01<br>0.01         | 0<br>0      | 0<br>0      | 100<br>99       | 0.00<br>0.00         | 0.0<br>0.0        | 1.140<br>1.140          | 0.006<br>0.006                      | 0<br>0      | 0<br>0      | 0<br>0      | 1<br>1       |
| PL.38842     | PL.38844    | A<br>C      | 4ACSR              | 7.48Y<br>7.48Y          | 124.7<br>124.6          | -0.00<br>0.00        | 1.34<br>1.38             | 0.01<br>0.01         | 0<br>0      | 0<br>0      | 100<br>99       | 0.00<br>0.00         | 0.0<br>0.0        | 1.154<br>1.154          | 0.014<br>0.014                      | 0<br>0      | 0<br>0      | 0<br>0      | 1<br>1       |
| 601901       | PL.38842    | A<br>C      | Consumer           | 7.48Y<br>7.48Y          | 124.7<br>124.6          | 0.00<br>0.00         | 1.34<br>1.38             | 0.01<br>0.01         | 0<br>0      | 0<br>0      | 100<br>99       | 0.00<br>0.00         | 0.0<br>0.0        | 1.154<br>1.154          | 0.000<br>0.000                      | 0<br>0      | 0<br>0      | 1<br>1      | 1<br>1       |
| 602807       | PL.13882    | B           | Consumer           | 7.50Y                   | 125.0                   | 0.00                 | 0.98                     | 0.00                 | 0           | 0           | 100             | 0.00                 | 0.0               | 1.099                   | 0.000                               | 0           | 0           | 0           | 0            |
| 602812       | PL.13882    | B           | Consumer           | 7.50Y                   | 125.0                   | 0.00                 | 0.98                     | 0.10                 | 0           | 1           | 100             | 0.00                 | 0.0               | 1.099                   | 0.000                               | 1           | 0           | 1           | 1            |
| 602843       | PL.7466     | C           | Consumer           | 7.48Y                   | 124.7                   | 0.00                 | 1.30                     | 0.40                 | 0           | 3           | 95              | 0.00                 | 0.0               | 1.053                   | 0.000                               | 3           | 1           | 1           | 1            |
| 603821       | PL.20810    | B           | Consumer           | 7.51Y                   | 125.1                   | 0.00                 | 0.90                     | 0.18                 | 0           | 1           | 100             | 0.00                 | 0.0               | 0.998                   | 0.000                               | 1           | 0           | 1           | 1            |
| 603820       | PL.20810    | B           | Consumer           | 7.51Y                   | 125.1                   | 0.00                 | 0.90                     | 0.16                 | 0           | 1           | 100             | 0.00                 | 0.0               | 0.998                   | 0.000                               | 1           | 0           | 1           | 1            |
| 603803       | PL.20810    | B           | Consumer           | 7.51Y                   | 125.1                   | 0.00                 | 0.90                     | 0.50                 | 0           | 3           | 83              | 0.00                 | 0.0               | 0.998                   | 0.000                               | 3           | 2           | 1           | 1            |
| 603819       | PL.20789    | B           | Consumer           | 7.51Y                   | 125.1                   | 0.00                 | 0.89                     | 0.33                 | 0           | 2           | 89              | 0.00                 | 0.0               | 0.977                   | 0.000                               | 2           | 1           | 1           | 1            |
| 603802       | PL.20789    | A<br>B<br>C | Consumer           | 7.49Y<br>7.51Y<br>7.49Y | 124.8<br>125.1<br>124.8 | 0.00<br>0.00<br>0.00 | 1.17<br>0.89<br>1.21     | 0.01<br>0.01<br>0.01 | 0<br>0<br>0 | 0<br>0<br>0 | 100<br>90<br>90 | 0.00<br>0.00<br>0.00 | 0.0<br>0.0<br>0.0 | 0.977<br>0.977<br>0.977 | 0.000<br>0.000<br>0.000             | 0<br>0<br>0 | 0<br>0<br>0 | 0<br>0<br>0 | 0<br>0<br>0  |
| 603804       | PL.20789    | A<br>B<br>C | Consumer           | 7.49Y<br>7.51Y<br>7.49Y | 124.8<br>125.1<br>124.8 | 0.00<br>0.00<br>0.00 | 1.17<br>0.89<br>1.21     | 0.07<br>0.07<br>0.07 | 0<br>0<br>0 | 0<br>0<br>0 | 100<br>90<br>90 | 0.00<br>0.00<br>0.00 | 0.0<br>0.0<br>0.0 | 0.977<br>0.977<br>0.977 | 0.000<br>0.000<br>0.000             | 0<br>0<br>0 | 0<br>0<br>0 | 0<br>0<br>0 | 0<br>0<br>0  |
| PL.17401     | PL.25853    | C           | 4ACSR              | 7.49Y                   | 124.9                   | 0.00                 | 1.10                     | 2.81                 | 1           | 20          | 96              | 0.00                 | 0.0               | 0.877                   | 0.005                               | 0           | 0           | 0           | 8            |
| PD.2189      | PL.17401    | C           | fuse10AMP          | 7.49Y                   | 124.9                   | 0.00                 | 1.10                     | 2.81                 | 29          | 20          | 96              | 0.00                 | 0.0               | 0.877                   | 0.000                               | 0           | 0           | 0           | 8            |
| PL.17402     | PD.2189     | C           | 4ACSR              | 7.49Y                   | 124.9                   | 0.00                 | 1.10                     | 2.81                 | 1           | 20          | 96              | 0.00                 | 0.0               | 0.882                   | 0.005                               | 0           | 0           | 0           | 8            |
| PL.25854     | PL.17402    | C           | 4ACSR              | 7.49Y                   | 124.9                   | 0.00                 | 1.11                     | 1.81                 | 1           | 13          | 99              | 0.00                 | 0.0               | 0.930                   | 0.048                               | 0           | 0           | 0           | 5            |
| 604727       | PL.25854    | C           | Consumer           | 7.49Y                   | 124.9                   | 0.00                 | 1.11                     | 0.00                 | 0           | 0           | 100             | 0.00                 | 0.0               | 0.930                   | 0.000                               | 0           | 0           | 0           | 0            |
| 604708       | PL.25854    | C           | Consumer           | 7.49Y                   | 124.9                   | 0.00                 | 1.11                     | 0.00                 | 0           | 0           | 100             | 0.00                 | 0.0               | 0.930                   | 0.000                               | 0           | 0           | 0           | 0            |
| 604720       | PL.25854    | C           | Consumer           | 7.49Y                   | 124.9                   | 0.00                 | 1.11                     | 0.00                 | 0           | 0           | 100             | 0.00                 | 0.0               | 0.930                   | 0.000                               | 0           | 0           | 0           | 0            |
| 604714       | PL.25854    | C           | Consumer           | 7.49Y                   | 124.9                   | 0.00                 | 1.11                     | 0.13                 | 0           | 1           | 100             | 0.00                 | 0.0               | 0.930                   | 0.000                               | 1           | 0           | 1           | 1            |
| 604725       | PL.25854    | C           | Consumer           | 7.49Y                   | 124.9                   | 0.00                 | 1.11                     | 0.03                 | 0           | 0           | 100             | 0.00                 | 0.0               | 0.930                   | 0.000                               | 0           | 0           | 1           | 1            |
| 604716       | PL.25854    | C           | Consumer           | 7.49Y                   | 124.9                   | 0.00                 | 1.11                     | 1.25                 | 0           | 9           | 99              | 0.00                 | 0.0               | 0.930                   | 0.000                               | 9           | 1           | 1           | 1            |
| 604710       | PL.25854    | C           | Consumer           | 7.49Y                   | 124.9                   | 0.00                 | 1.11                     | 0.16                 | 0           | 1           | 100             | 0.00                 | 0.0               | 0.930                   | 0.000                               | 1           | 0           | 1           | 1            |
| 604709       | PL.25854    | C           | Consumer           | 7.49Y                   | 124.9                   | 0.00                 | 1.11                     | 0.25                 | 0           | 2           | 100             | 0.00                 | 0.0               | 0.930                   | 0.000                               | 2           | 0           | 1           | 1            |
| 604717       | PL.25854    | C           | Consumer           | 7.49Y                   | 124.9                   | 0.00                 | 1.11                     | 0.00                 | 0           | 0           | 100             | 0.00                 | 0.0               | 0.930                   | 0.000                               | 0           | 0           | 0           | 0            |
| PL.25857     | PL.25854    | C           | 4ACSR              | 7.49Y                   | 124.9                   | 0.00                 | 1.11                     | 0.00                 | 0           | 0           | 100             | 0.00                 | 0.0               | 0.947                   | 0.017                               | 0           | 0           | 0           | 0            |
| PD.2348-A    | PL.25857    | C           | Open               | 7.49Y                   | 124.9                   | 0.00                 | 1.11                     | 0.00                 | 0           | 0           | 100             | 0.00                 | 0.0               | 0.947                   | 0.000                               | 0           | 0           | 0           | 0            |
| 604724       | PL.17402    | C           | Consumer           | 7.49Y                   | 124.9                   | 0.00                 | 1.10                     | 0.44                 | 0           | 3           | 95              | 0.00                 | 0.0               | 0.882                   | 0.000                               | 3           | 1           | 1           | 1            |
| 604712       | PL.17402    | C           | Consumer           | 7.49Y                   | 124.9                   | 0.00                 | 1.10                     | 0.45                 | 0           | 3           | 95              | 0.00                 | 0.0               | 0.882                   | 0.000                               | 3           | 1           | 1           | 1            |
| 604715       | PL.17402    | C           | Consumer           | 7.49Y                   | 124.9                   | 0.00                 | 1.10                     | 0.14                 | 0           | 1           | 100             | 0.00                 | 0.0               | 0.882                   | 0.000                               | 1           | 0           | 1           | 1            |
| 605712       | PL.14056    | A<br>B<br>C | Consumer           | 7.51Y<br>7.52Y<br>7.50Y | 125.1<br>125.3<br>125.1 | 0.00<br>0.00<br>0.00 | 0.88<br>0.69<br>0.93     | 0.01<br>0.01<br>0.01 | 0<br>0<br>0 | 0<br>0<br>0 | 100<br>90<br>90 | 0.00<br>0.00<br>0.00 | 0.0<br>0.0<br>0.0 | 0.716<br>0.716<br>0.716 | 0.000<br>0.000<br>0.000             | 0<br>0<br>0 | 0<br>0<br>0 | 0<br>0<br>0 | 0<br>0<br>0  |

Unbalanced Voltage Drop Report  
Source: STANTON

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | Cons<br>On | Cons<br>Thru |            |           |   |   |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|-------------------|-------------------------------------|------------|--------------|------------|-----------|---|---|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR |                   |                                     |            |              | kW<br>Loss | %<br>Loss |   |   |   |
| 605715       | PL.14056    | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.12         | 0        | 1          | 0         | 100               | 0.00                                | 0.0        | 0.716        | 0.000      | 1         | 0 | 0 | 0 |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.69                     | 0.12         | 0        | 1          | 0         | 90                |                                     |            |              |            | 1         | 0 | 0 | 0 |
|              |             | C   |                    | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.12         | 0        | 1          | 0         | 90                |                                     |            |              |            | 1         | 0 | 0 | 0 |
| 605734       | PL.14056    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.00         | 0        | 0          | 0         | 100               | 0.00                                | 0.0        | 0.716        | 0.000      | 0         | 0 | 0 | 0 |
| 605729       | PL.14056    | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.24         | 0        | 2          | 1         | 89                | 0.00                                | 0.0        | 0.716        | 0.000      | 2         | 1 | 0 | 0 |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.69                     | 0.24         | 0        | 2          | 1         | 90                |                                     |            |              |            | 2         | 1 | 0 | 0 |
|              |             | C   |                    | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.24         | 0        | 2          | 1         | 90                |                                     |            |              |            | 2         | 1 | 0 | 0 |
| 605727       | PL.14056    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.69                     | 0.38         | 0        | 3          | 1         | 95                | 0.00                                | 0.0        | 0.716        | 0.000      | 3         | 1 | 1 | 1 |
| 605739       | PL.14056    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.69                     | 0.47         | 0        | 3          | 0         | 100               | 0.00                                | 0.0        | 0.716        | 0.000      | 3         | 0 | 1 | 1 |
| 605736       | PL.14056    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.87         | 0        | 6          | 3         | 89                | 0.00                                | 0.0        | 0.716        | 0.000      | 6         | 3 | 1 | 1 |
| 605742       | PL.14056    | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.25         | 0        | 2          | 1         | 89                | 0.00                                | 0.0        | 0.716        | 0.000      | 2         | 1 | 0 | 0 |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.69                     | 0.25         | 0        | 2          | 1         | 90                |                                     |            |              |            | 2         | 1 | 0 | 0 |
|              |             | C   |                    | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.25         | 0        | 2          | 1         | 90                |                                     |            |              |            | 2         | 1 | 0 | 0 |
| 605724       | PL.14056    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.69                     | 0.12         | 0        | 1          | 0         | 100               | 0.00                                | 0.0        | 0.716        | 0.000      | 1         | 0 | 1 | 1 |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

|      | Load  | Adjustment | Capacitance | Charging | Gen&Motors | Loops&Metas | Losses | No Load | Losses | Total |
|------|-------|------------|-------------|----------|------------|-------------|--------|---------|--------|-------|
| KW   | 14841 | 0          | 0           | 0        | 0          | 0           | 164    |         | 0.00   | 15005 |
| KVAR | 4063  | 0          | -2286       | -5       | 0          | 0           | 311    |         |        | 2083  |

|                                     |                                  |                              |
|-------------------------------------|----------------------------------|------------------------------|
| Lowest Voltage                      | Highest Accumulated Voltage Drop | Highest Element Voltage Drop |
| A-Phase -> 121.58 volts on PL.43680 | 4.42 volts on PL.43680           | 0.87 volts on OH65           |
| B-Phase -> 120.61 volts on PL.17106 | 5.39 volts on PL.17106           | 0.68 volts on OH65           |
| C-Phase -> 121.17 volts on PL.5290  | 4.83 volts on PL.5290            | 0.92 volts on OH65           |

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, Element KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 2 (THRFRKS2) beginning with device PD.3878.

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PL.25317, 114379, PL.5350, etc.

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for various elements like 1143148, 1143112, PL.163, etc.

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements 114312 through 114321 and C PD.3502.



Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Units Displayed In Volts (Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss), mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru.

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.36617     | PL.36616    | A   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 2.03   | 2.75         | 1        | 41         | 5       | 99         | 0.00      | 0.0               | 2.019                               | 0.005 | 0    | 0          | 0            | 4  |
| PD.5683      | PL.36617    | A   | fuse6AMP           | 14.88Y    | 124.0        | 0.00            | 2.03   | 2.75         | 47       | 41         | 5       | 99         | 0.00      | 0.0               | 2.019                               | 0.000 | 0    | 0          | 0            | 4  |
| PL.36618     | PD.5683     | A   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 2.03   | 2.75         | 1        | 41         | 5       | 99         | 0.00      | 0.0               | 2.058                               | 0.039 | 0    | 0          | 0            | 4  |
| PL.21916     | PL.36618    | A   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 2.03   | 1.93         | 1        | 29         | 4       | 99         | 0.00      | 0.0               | 2.140                               | 0.082 | 0    | 0          | 0            | 3  |
| 114384       | PL.21916    | A   | Consumer           | 14.88Y    | 124.0        | 0.00            | 2.03   | 1.03         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 2.140                               | 0.000 | 15   | 2          | 1            | 1  |
| 1143170      | PL.21916    | A   | Consumer           | 14.88Y    | 124.0        | 0.00            | 2.03   | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.140                               | 0.000 | 8    | 1          | 1            | 1  |
| 114376       | PL.21916    | A   | Consumer           | 14.88Y    | 124.0        | 0.00            | 2.03   | 0.38         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.140                               | 0.000 | 6    | 1          | 1            | 1  |
| 1143166      | PL.36618    | A   | Consumer           | 14.88Y    | 124.0        | 0.00            | 2.03   | 0.82         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 2.058                               | 0.000 | 12   | 2          | 1            | 1  |
| PL.25514     | PL.36616    | A   | 4ACSR              | 14.88Y    | 124.0        | 0.01            | 2.04   | 17.53        | 9        | 259        | 34      | 99         | 0.02      | 0.0               | 2.043                               | 0.030 | 0    | 0          | 0            | 29 |
| PL.25515     | PL.25514    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.03            | 2.07   | 15.39        | 8        | 227        | 30      | 99         | 0.05      | 0.0               | 2.140                               | 0.097 | 0    | 0          | 0            | 25 |
| PL.36621     | PL.25515    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.01            | 2.08   | 14.67        | 8        | 216        | 28      | 99         | 0.01      | 0.0               | 2.162                               | 0.022 | 0    | 0          | 0            | 24 |
| PD.5685-A    | PL.36621    | A   | Closed             | 14.87Y    | 123.9        | 0.00            | 2.08   | 14.67        | 0        | 216        | 28      | 99         | 0.00      | 0.0               | 2.162                               | 0.000 | 0    | 0          | 0            | 24 |
| PD.5685-B    | PD.5685-A   | A   | Closed             | 14.87Y    | 123.9        | 0.00            | 2.08   | 14.67        | 0        | 216        | 28      | 99         | 0.00      | 0.0               | 2.162                               | 0.000 | 0    | 0          | 0            | 24 |
| PL.36622     | PD.5685-B   | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.08   | 14.67        | 8        | 216        | 28      | 99         | 0.00      | 0.0               | 2.169                               | 0.007 | 0    | 0          | 0            | 24 |
| PL.162       | PL.36622    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.08   | 0.74         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 2.201                               | 0.032 | 0    | 0          | 0            | 1  |
| 114383       | PL.162      | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.08   | 0.74         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 2.201                               | 0.000 | 11   | 1          | 1            | 1  |
| PL.25517     | PL.36622    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.01            | 2.09   | 11.75        | 6        | 173        | 22      | 99         | 0.01      | 0.0               | 2.198                               | 0.029 | 0    | 0          | 0            | 20 |
| 114393       | PL.25517    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.09   | 0.46         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.198                               | 0.000 | 7    | 1          | 1            | 1  |
| 114385       | PL.25517    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.09   | 0.65         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.198                               | 0.000 | 10   | 1          | 1            | 1  |
| PL.25518     | PL.25517    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.01            | 2.10   | 10.64        | 5        | 157        | 20      | 99         | 0.01      | 0.0               | 2.244                               | 0.046 | 0    | 0          | 0            | 18 |
| PL.25519     | PL.25518    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.01            | 2.11   | 9.65         | 5        | 142        | 18      | 99         | 0.01      | 0.0               | 2.285                               | 0.041 | 0    | 0          | 0            | 16 |
| PL.36623     | PL.25519    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.11   | 0.72         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 2.290                               | 0.005 | 0    | 0          | 0            | 1  |
| PD.5686      | PL.36623    | A   | fuse6AMP           | 14.87Y    | 123.9        | 0.00            | 2.11   | 0.72         | 12       | 11         | 1       | 100        | 0.00      | 0.0               | 2.290                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.36624     | PD.5686     | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.11   | 0.72         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 2.333                               | 0.043 | 0    | 0          | 0            | 1  |
| 114388       | PL.36624    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.11   | 0.72         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 2.333                               | 0.000 | 11   | 1          | 1            | 1  |
| PL.25520     | PL.25519    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.01            | 2.11   | 5.85         | 3        | 86         | 11      | 99         | 0.00      | 0.0               | 2.331                               | 0.046 | 0    | 0          | 0            | 10 |
| 1143165      | PL.25520    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.11   | 0.68         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.331                               | 0.000 | 10   | 1          | 1            | 1  |
| 1143136      | PL.25520    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.11   | 0.57         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.331                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.25521     | PL.25520    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.01            | 2.12   | 4.60         | 2        | 68         | 9       | 99         | 0.00      | 0.0               | 2.389                               | 0.058 | 0    | 0          | 0            | 8  |
| PL.25522     | PL.25521    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.12   | 1.49         | 1        | 22         | 3       | 99         | 0.00      | 0.0               | 2.446                               | 0.057 | 0    | 0          | 0            | 2  |
| 1143103      | PL.25522    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.12   | 0.71         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 2.446                               | 0.000 | 11   | 1          | 1            | 1  |
| 1143183      | PL.25522    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.12   | 0.77         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 2.446                               | 0.000 | 11   | 1          | 1            | 1  |
| PL.36629     | PL.25521    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.12   | 1.87         | 1        | 28         | 4       | 99         | 0.00      | 0.0               | 2.414                               | 0.024 | 0    | 0          | 0            | 4  |
| PD.5689      | PL.36629    | A   | fuse6AMP           | 14.87Y    | 123.9        | 0.00            | 2.12   | 1.87         | 32       | 28         | 4       | 99         | 0.00      | 0.0               | 2.414                               | 0.000 | 0    | 0          | 0            | 4  |
| PL.36630     | PD.5689     | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.12   | 1.87         | 1        | 28         | 4       | 99         | 0.00      | 0.0               | 2.451                               | 0.038 | 0    | 0          | 0            | 4  |
| PL.22394     | PL.36630    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.12   | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.488                               | 0.037 | 0    | 0          | 0            | 1  |
| 1143107      | PL.22394    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.12   | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.488                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.43975     | PL.22394    | A   | 2ACSR              | 14.87Y    | 123.9        | 0.00            | 2.12   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.518                               | 0.030 | 0    | 0          | 0            | 0  |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |           |            |           | mi<br>From<br>Src | -----Length<br>(mi) | -----Element----- |      | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|-----------|------------|-----------|-------------------|---------------------|-------------------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                     | KW                | KVAR |            |              |   |
| 1143191      | PL.43975    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.12   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.518               | 0.000             | 0    | 0          | 0            | 0 |
| 1143140      | PL.36630    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.12   | 0.37         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 2.451               | 0.000             | 5    | 1          | 1            | 1 |
| 1143141      | PL.36630    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.12   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.451               | 0.000             | 0    | 0          | 0            | 0 |
| 1143137      | PL.36630    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.12   | 0.40         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 2.451               | 0.000             | 6    | 1          | 1            | 1 |
| 1143138      | PL.36630    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.12   | 0.54         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 2.451               | 0.000             | 8    | 1          | 1            | 1 |
| PL.36627     | PL.25521    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.12   | 1.24         | 1        | 18         | 2         | 99         | 0.00      | 0.0               | 2.399               | 0.009             | 0    | 0          | 0            | 2 |
| PL.36628     | PL.36627    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.12   | 1.24         | 1        | 18         | 2         | 99         | 0.00      | 0.0               | 2.420               | 0.021             | 0    | 0          | 0            | 2 |
| 114389       | PL.36628    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.12   | 0.46         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 2.420               | 0.000             | 7    | 1          | 1            | 1 |
| 114386       | PL.36628    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.12   | 0.78         | 0        | 12         | 1         | 100        | 0.00      | 0.0               | 2.420               | 0.000             | 12   | 1          | 1            | 1 |
| PL.36625     | PL.25519    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.11   | 3.09         | 2        | 46         | 6         | 99         | 0.00      | 0.0               | 2.300               | 0.015             | 0    | 0          | 0            | 5 |
| PD.5687      | PL.36625    | A   | fuse6AMP           | 14.87Y    | 123.9        | 0.00            | 2.11   | 3.09         | 53       | 46         | 6         | 99         | 0.00      | 0.0               | 2.300               | 0.000             | 0    | 0          | 0            | 5 |
| PL.36626     | PD.5687     | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.11   | 3.09         | 2        | 46         | 6         | 99         | 0.00      | 0.0               | 2.312               | 0.012             | 0    | 0          | 0            | 5 |
| PL.21918     | PL.36626    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.11   | 3.09         | 2        | 46         | 6         | 99         | 0.00      | 0.0               | 2.324               | 0.012             | 0    | 0          | 0            | 5 |
| 1143135      | PL.21918    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.11   | 0.60         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 2.324               | 0.000             | 9    | 1          | 1            | 1 |
| 1143131      | PL.21918    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.11   | 0.56         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 2.324               | 0.000             | 8    | 1          | 1            | 1 |
| 1143134      | PL.21918    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.11   | 0.81         | 0        | 12         | 2         | 99         | 0.00      | 0.0               | 2.324               | 0.000             | 12   | 2          | 1            | 1 |
| PL.22392     | PL.21918    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.11   | 1.12         | 1        | 17         | 2         | 99         | 0.00      | 0.0               | 2.370               | 0.046             | 0    | 0          | 0            | 2 |
| PL.21677     | PL.22392    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.11   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.391               | 0.021             | 0    | 0          | 0            | 0 |
| 1143133      | PL.22392    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.11   | 0.44         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 2.370               | 0.000             | 7    | 1          | 1            | 1 |
| 1143132      | PL.22392    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.11   | 0.68         | 0        | 10         | 1         | 100        | 0.00      | 0.0               | 2.370               | 0.000             | 10   | 1          | 1            | 1 |
| PL.21249     | PL.36626    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.11   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.332               | 0.020             | 0    | 0          | 0            | 0 |
| 114394       | PL.25518    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.10   | 0.72         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 2.244               | 0.000             | 11   | 1          | 1            | 1 |
| 114387       | PL.25518    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.10   | 0.27         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 2.244               | 0.000             | 4    | 1          | 1            | 1 |
| PL.21635     | PL.36622    | A   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.08   | 2.18         | 1        | 32         | 4         | 99         | 0.00      | 0.0               | 2.184               | 0.015             | 0    | 0          | 0            | 3 |
| 1143113      | PL.21635    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.08   | 0.38         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 2.184               | 0.000             | 6    | 1          | 1            | 1 |
| 1143115      | PL.21635    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.08   | 0.99         | 0        | 15         | 2         | 99         | 0.00      | 0.0               | 2.184               | 0.000             | 15   | 2          | 1            | 1 |
| 1143114      | PL.21635    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.08   | 0.81         | 0        | 12         | 2         | 99         | 0.00      | 0.0               | 2.184               | 0.000             | 12   | 2          | 1            | 1 |
| 114391       | PL.25515    | A   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.07   | 0.72         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 2.140               | 0.000             | 11   | 1          | 1            | 1 |
| 114374       | PL.25514    | A   | Consumer           | 14.88Y    | 124.0        | 0.00            | 2.04   | 1.06         | 0        | 16         | 2         | 99         | 0.00      | 0.0               | 2.043               | 0.000             | 16   | 2          | 1            | 1 |
| 114381       | PL.25514    | A   | Consumer           | 14.88Y    | 124.0        | 0.00            | 2.04   | 0.30         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 2.043               | 0.000             | 4    | 1          | 1            | 1 |
| 1143158      | PL.25514    | A   | Consumer           | 14.88Y    | 124.0        | 0.00            | 2.04   | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.043               | 0.000             | 0    | 0          | 1            | 1 |
| 114375       | PL.25514    | A   | Consumer           | 14.88Y    | 124.0        | 0.00            | 2.04   | 0.78         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 2.043               | 0.000             | 11   | 1          | 1            | 1 |
| 114316       | PL.5359     | A   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.85   | 0.33         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 1.662               | 0.000             | 5    | 1          | 1            | 1 |
| 114330       | PL.5359     | A   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.85   | 0.56         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 1.662               | 0.000             | 8    | 1          | 1            | 1 |
| 114345       | PL.5359     | A   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.85   | 0.19         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 1.662               | 0.000             | 3    | 0          | 1            | 1 |
| 114320       | PL.19199    | A   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.76   | 0.69         | 0        | 10         | 1         | 100        | 0.00      | 0.0               | 1.519               | 0.000             | 10   | 1          | 1            | 1 |
| 114308       | PL.19199    | A   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.76   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.519               | 0.000             | 0    | 0          | 1            | 1 |
| 1143175      | PL.19199    | A   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.76   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.519               | 0.000             | 0    | 0          | 0            | 0 |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf    | Type/<br>Conductor | Pri<br>kV        | Base<br>Volt   | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |              | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR   | Cons<br>On | Cons<br>Thru |        |
|--------------|-------------|--------|--------------------|------------------|----------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|--------------|-------------------|-------------------------------------|-------|--------|------------|--------------|--------|
|              |             |        |                    |                  |                |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss    |                   |                                     |       |        |            |              |        |
| 114371       | PL.19199    | A      | Consumer           | 14.91Y           | 124.2          | 0.00            | 1.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00         | 0.0               | 1.519                               | 0.000 | 0      | 0          | 0            | 0      |
| PL.28255     | PL.5367     | A      | 4ACSR              | 14.92Y           | 124.4          | 0.00            | 1.63                     | 3.23         | 2        | 48         | 6       | 99         | 0.00         | 0.0               | 1.361                               | 0.009 | 0      | 0          | 0            | 8      |
| PD.796       | PL.28255    | A      | fuse6AMP           | 14.92Y           | 124.4          | 0.00            | 1.63                     | 3.23         | 55       | 48         | 6       | 99         | 0.00         | 0.0               | 1.361                               | 0.000 | 0      | 0          | 0            | 8      |
| PL.28256     | PD.796      | A      | 4ACSR              | 14.92Y           | 124.4          | 0.00            | 1.63                     | 3.23         | 2        | 48         | 6       | 99         | 0.00         | 0.0               | 1.422                               | 0.061 | 0      | 0          | 0            | 8      |
| 114369       | PL.28256    | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.63                     | 0.14         | 0        | 2          | 0       | 100        | 0.00         | 0.0               | 1.422                               | 0.000 | 2      | 0          | 1            | 1      |
| 1143106      | PL.28256    | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.63                     | 0.54         | 0        | 8          | 1       | 99         | 0.00         | 0.0               | 1.422                               | 0.000 | 8      | 1          | 1            | 1      |
| PL.22878     | PL.28256    | A      | 4ACSR              | 14.92Y           | 124.4          | 0.00            | 1.63                     | 2.56         | 1        | 38         | 5       | 99         | 0.00         | 0.0               | 1.491                               | 0.068 | 0      | 0          | 0            | 6      |
| PL.22879     | PL.22878    | A      | 4ACSR              | 14.92Y           | 124.4          | 0.00            | 1.64                     | 1.62         | 1        | 24         | 3       | 99         | 0.00         | 0.0               | 1.532                               | 0.041 | 0      | 0          | 0            | 4      |
| PL.22395     | PL.22879    | A      | 4ACSR              | 14.92Y           | 124.4          | 0.00            | 1.64                     | 1.06         | 1        | 16         | 2       | 99         | 0.00         | 0.0               | 1.565                               | 0.034 | 0      | 0          | 0            | 3      |
| PL.22389     | PL.22395    | A      | 4ACSR              | 14.92Y           | 124.4          | 0.00            | 1.64                     | 1.06         | 1        | 16         | 2       | 99         | 0.00         | 0.0               | 1.623                               | 0.058 | 0      | 0          | 0            | 3      |
| PL.23262     | PL.22389    | A      | 4ACSR              | 14.92Y           | 124.4          | 0.00            | 1.64                     | 1.06         | 1        | 16         | 2       | 99         | 0.00         | 0.0               | 1.689                               | 0.065 | 0      | 0          | 0            | 3      |
| PL.23263     | PL.23262    | A      | 4ACSR              | 14.92Y           | 124.4          | 0.00            | 1.64                     | 0.12         | 0        | 2          | 0       | 100        | 0.00         | 0.0               | 1.782                               | 0.094 | 0      | 0          | 0            | 2      |
| PL.23260     | PL.23263    | A      | 4ACSR              | 14.92Y           | 124.4          | 0.00            | 1.64                     | 0.12         | 0        | 2          | 0       | 100        | 0.00         | 0.0               | 1.827                               | 0.045 | 0      | 0          | 0            | 2      |
| PL.23261     | PL.23260    | A      | 4ACSR              | 14.92Y           | 124.4          | 0.00            | 1.64                     | 0.02         | 0        | 0          | 0       | 100        | 0.00         | 0.0               | 1.932                               | 0.105 | 0      | 0          | 0            | 1      |
| 113305       | PL.23261    | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.64                     | 0.02         | 0        | 0          | 0       | 100        | 0.00         | 0.0               | 1.932                               | 0.000 | 0      | 0          | 1            | 1      |
| 113302       | PL.23260    | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.64                     | 0.11         | 0        | 2          | 0       | 100        | 0.00         | 0.0               | 1.827                               | 0.000 | 2      | 0          | 1            | 1      |
| PL.21632     | PL.23262    | A      | 4ACSR              | 14.92Y           | 124.4          | 0.00            | 1.64                     | 0.94         | 0        | 14         | 2       | 99         | 0.00         | 0.0               | 1.733                               | 0.044 | 0      | 0          | 0            | 1      |
| 114368       | PL.21632    | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.64                     | 0.94         | 0        | 14         | 2       | 99         | 0.00         | 0.0               | 1.733                               | 0.000 | 14     | 2          | 1            | 1      |
| 114398       | PL.22389    | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.64                     | 0.00         | 0        | 0          | 0       | 100        | 0.00         | 0.0               | 1.623                               | 0.000 | 0      | 0          | 0            | 0      |
| 114307       | PL.22389    | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.64                     | 0.00         | 0        | 0          | 0       | 100        | 0.00         | 0.0               | 1.623                               | 0.000 | 0      | 0          | 0            | 0      |
| 1143182      | PL.22879    | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.64                     | 0.56         | 0        | 8          | 1       | 99         | 0.00         | 0.0               | 1.532                               | 0.000 | 8      | 1          | 1            | 1      |
| 114311       | PL.22878    | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.63                     | 0.00         | 0        | 0          | 0       | 100        | 0.00         | 0.0               | 1.491                               | 0.000 | 0      | 0          | 1            | 1      |
| 114306       | PL.22878    | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.63                     | 0.93         | 0        | 14         | 2       | 99         | 0.00         | 0.0               | 1.491                               | 0.000 | 14     | 2          | 1            | 1      |
| 114349       | PL.5367     | B      | Consumer           | 15.15Y           | 126.2          | 0.00            | -0.22                    | 0.00         | 0        | 0          | 0       | 100        | 0.00         | 0.0               | 1.352                               | 0.000 | 0      | 0          | 0            | 0      |
| 114325       | PL.5367     | A<br>B | Consumer           | 14.92Y<br>15.15Y | 124.4<br>126.2 | 0.00<br>0.00    | 1.63<br>-0.22            | 0.30<br>0.29 | 0<br>0   | 4<br>4     | 1<br>1  | 97<br>99   | 0.00<br>0.00 | 0.0<br>0.0        | 1.352                               | 0.000 | 4<br>4 | 1<br>1     | 1<br>1       | 1<br>1 |
| 1143105      | PL.5367     | A<br>B | Consumer           | 14.92Y<br>15.15Y | 124.4<br>126.2 | 0.00<br>0.00    | 1.63<br>-0.22            | 0.30<br>0.29 | 0<br>0   | 4<br>4     | 1<br>1  | 97<br>99   | 0.00<br>0.00 | 0.0<br>0.0        | 1.352                               | 0.000 | 4<br>4 | 1<br>1     | 1<br>1       | 1<br>1 |
| 114301       | PL.5367     | A<br>B | Consumer           | 14.92Y<br>15.15Y | 124.4<br>126.2 | 0.00<br>0.00    | 1.63<br>-0.22            | 0.11<br>0.11 | 0<br>0   | 2<br>2     | 0<br>0  | 100<br>99  | 0.00<br>0.00 | 0.0<br>0.0        | 1.352                               | 0.000 | 2<br>2 | 0<br>0     | 1<br>1       | 1<br>1 |
| 1143102      | PL.5367     | A<br>B | Consumer           | 14.92Y<br>15.15Y | 124.4<br>126.2 | 0.00<br>0.00    | 1.63<br>-0.22            | 0.18<br>0.18 | 0<br>0   | 3<br>3     | 0<br>0  | 100<br>99  | 0.00<br>0.00 | 0.0<br>0.0        | 1.352                               | 0.000 | 3<br>3 | 0<br>0     | 1<br>1       | 1<br>1 |
| PL.5356      | PL.5367     | A      | 4ACSR              | 14.92Y           | 124.4          | 0.00            | 1.63                     | 2.67         | 1        | 40         | 5       | 99         | 0.00         | 0.0               | 1.424                               | 0.073 | 0      | 0          | 0            | 5      |
| PL.5357      | PL.5356     | A      | 4ACSR              | 14.92Y           | 124.4          | 0.00            | 1.63                     | 1.56         | 1        | 23         | 3       | 99         | 0.00         | 0.0               | 1.489                               | 0.064 | 0      | 0          | 0            | 3      |
| 1143180      | PL.5357     | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.63                     | 0.35         | 0        | 5          | 1       | 98         | 0.00         | 0.0               | 1.489                               | 0.000 | 5      | 1          | 1            | 1      |
| 114399       | PL.5357     | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.63                     | 0.64         | 0        | 9          | 1       | 99         | 0.00         | 0.0               | 1.489                               | 0.000 | 9      | 1          | 1            | 1      |
| 1143104      | PL.5357     | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.63                     | 0.57         | 0        | 8          | 1       | 99         | 0.00         | 0.0               | 1.489                               | 0.000 | 8      | 1          | 1            | 1      |
| 1143101      | PL.5356     | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.63                     | 0.61         | 0        | 9          | 1       | 99         | 0.00         | 0.0               | 1.424                               | 0.000 | 9      | 1          | 1            | 1      |
| 114395       | PL.5356     | A      | Consumer           | 14.92Y           | 124.4          | 0.00            | 1.63                     | 0.50         | 0        | 7          | 1       | 99         | 0.00         | 0.0               | 1.424                               | 0.000 | 7      | 1          | 1            | 1      |
| 1143154      | PL.8858     | B      | Consumer           | 15.14Y           | 126.2          | 0.00            | -0.20                    | 0.00         | 0        | 0          | 0       | 100        | 0.00         | 0.0               | 1.259                               | 0.000 | 0      | 0          | 0            | 0      |

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for elements 1143153, 1143151, PL.156, PL.17747, PD.798, PL.17748, PL.153, 114353, 114305, 114367, 679003, PL.8856, 679002, 1143185, PL.13, PL.25322, PL.25323, PL.25324, PL.25325, 678914, PL.8623, 678915, 678916, 679001, PL.17743, PD.2366-A, PD.2366-B.

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           |     |       |       | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW | KVAR | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-----|-------|-------|-------------------|-------------------------------------|----|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |     |       |       |                   |                                     |    |      |            |              |
| PL.17744     | PD.2366-B   | A   | 1/0ACSR            | 14.96Y    | 124.6        | 0.00            | 1.37                     | 39.84        | 12       | 591        | 78      | 99         | 0.01      | 0.0 | 1.348 | 0.003 | 0                 | 0                                   | 0  | 81   |            |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.12                    | 21.20        | 6        | 318        | 42      | 99         | 0         | 0   |       |       | 0                 | 0                                   | 0  | 43   |            |              |
|              |             | C   |                    | 15.03Y    | 125.3        | 0.00            | 0.72                     | 37.48        | 11       | 559        | 73      | 99         | 0         | 0   |       |       | 0                 | 0                                   | 71 |      |            |              |
| PL.17739     | PL.17744    | C   | 4ACSR              | 15.03Y    | 125.3        | 0.00            | 0.72                     | 7.31         | 4        | 109        | 14      | 99         | 0.00      | 0.0 | 1.373 | 0.025 | 0                 | 0                                   | 0  | 13   |            |              |
| C PD.2971    | PL.17739    | C   | fuse6AMP           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 7.31         | 125      | 109        | 14      | 99         | 0.00      | 0.0 | 1.373 | 0.000 | 0                 | 0                                   | 0  | 13 C |            |              |
| PL.17740     | PD.2971     | C   | 4ACSR              | 15.03Y    | 125.3        | 0.00            | 0.72                     | 7.31         | 4        | 109        | 14      | 99         | 0.00      | 0.0 | 1.387 | 0.014 | 0                 | 0                                   | 0  | 13   |            |              |
| PL.25129     | PL.17740    | C   | 4ACSR              | 15.03Y    | 125.3        | 0.00            | 0.72                     | 5.35         | 3        | 80         | 10      | 99         | 0.00      | 0.0 | 1.419 | 0.031 | 0                 | 0                                   | 0  | 9    |            |              |
| PL.25130     | PL.25129    | C   | 4ACSR              | 15.03Y    | 125.3        | 0.00            | 0.73                     | 1.83         | 1        | 27         | 4       | 99         | 0.00      | 0.0 | 1.446 | 0.027 | 0                 | 0                                   | 0  | 3    |            |              |
| 678010       | PL.25130    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.73                     | 0.60         | 0        | 9          | 1       | 99         | 0.00      | 0.0 | 1.446 | 0.000 | 9                 | 1                                   | 1  | 1    |            |              |
| 677928       | PL.25130    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.73                     | 0.71         | 0        | 11         | 1       | 100        | 0.00      | 0.0 | 1.446 | 0.000 | 11                | 1                                   | 1  | 1    |            |              |
| 677927       | PL.25130    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.73                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0 | 1.446 | 0.000 | 8                 | 1                                   | 1  | 1    |            |              |
| 678011       | PL.25129    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.55         | 0        | 8          | 1       | 99         | 0.00      | 0.0 | 1.419 | 0.000 | 8                 | 1                                   | 1  | 1    |            |              |
| 677924       | PL.25129    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.37         | 0        | 6          | 1       | 99         | 0.00      | 0.0 | 1.419 | 0.000 | 6                 | 1                                   | 1  | 1    |            |              |
| 678012       | PL.25129    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.69         | 0        | 10         | 1       | 100        | 0.00      | 0.0 | 1.419 | 0.000 | 10                | 1                                   | 1  | 1    |            |              |
| 677925       | PL.25129    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.69         | 0        | 10         | 1       | 100        | 0.00      | 0.0 | 1.419 | 0.000 | 10                | 1                                   | 1  | 1    |            |              |
| 677926       | PL.25129    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.47         | 0        | 7          | 1       | 99         | 0.00      | 0.0 | 1.419 | 0.000 | 7                 | 1                                   | 1  | 1    |            |              |
| 678013       | PL.25129    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.74         | 0        | 11         | 1       | 100        | 0.00      | 0.0 | 1.419 | 0.000 | 11                | 1                                   | 1  | 1    |            |              |
| 678015       | PL.17740    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.18         | 0        | 3          | 0       | 100        | 0.00      | 0.0 | 1.387 | 0.000 | 3                 | 0                                   | 1  | 1    |            |              |
| 678014       | PL.17740    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.80         | 0        | 12         | 2       | 99         | 0.00      | 0.0 | 1.387 | 0.000 | 12                | 2                                   | 1  | 1    |            |              |
| 677923       | PL.17740    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0 | 1.387 | 0.000 | 9                 | 1                                   | 1  | 1    |            |              |
| 677922       | PL.17740    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.39         | 0        | 6          | 1       | 99         | 0.00      | 0.0 | 1.387 | 0.000 | 6                 | 1                                   | 1  | 1    |            |              |
| PL.7814      | PL.17744    | A   | 1/0ACSR            | 14.95Y    | 124.6        | 0.02            | 1.39                     | 39.84        | 12       | 591        | 78      | 99         | 0.09      | 0.0 | 1.395 | 0.046 | 0                 | 0                                   | 0  | 81   |            |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.12                    | 21.20        | 6        | 318        | 42      | 99         | 0         | 0   |       |       | 0                 | 0                                   | 43 |      |            |              |
|              |             | C   |                    | 15.03Y    | 125.3        | 0.01            | 0.72                     | 13.88        | 4        | 207        | 27      | 99         | 0         | 0   |       |       | 0                 | 29                                  |    |      |            |              |
| 678907       | PL.7814     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.62         | 0        | 9          | 1       | 99         | 0.00      | 0.0 | 1.395 | 0.000 | 9                 | 1                                   | 1  | 1    |            |              |
| 678908       | PL.7814     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.54         | 0        | 8          | 1       | 99         | 0.00      | 0.0 | 1.395 | 0.000 | 8                 | 1                                   | 1  | 1    |            |              |
| 678910       | PL.7814     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.76         | 0        | 11         | 1       | 100        | 0.00      | 0.0 | 1.395 | 0.000 | 11                | 1                                   | 1  | 1    |            |              |
| 678909       | PL.7814     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.64         | 0        | 10         | 1       | 100        | 0.00      | 0.0 | 1.395 | 0.000 | 10                | 1                                   | 1  | 1    |            |              |
| PL.7601      | PL.7814     | A   | 1/0ACSR            | 14.95Y    | 124.6        | 0.02            | 1.40                     | 26.66        | 8        | 395        | 53      | 99         | 0.08      | 0.0 | 1.459 | 0.064 | 0                 | 0                                   | 0  | 54   |            |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.01            | -0.11                    | 21.20        | 6        | 318        | 42      | 99         | 0         | 0   |       |       | 0                 | 0                                   | 43 |      |            |              |
|              |             | C   |                    | 15.03Y    | 125.3        | 0.01            | 0.73                     | 13.88        | 4        | 207        | 27      | 99         | 0         | 0   |       |       | 0                 | 29                                  |    |      |            |              |
| PL.7431      | PL.7601     | A   | 1/0ACSR            | 14.95Y    | 124.6        | 0.01            | 1.41                     | 26.66        | 8        | 395        | 53      | 99         | 0.04      | 0.0 | 1.495 | 0.036 | 0                 | 0                                   | 0  | 54   |            |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.11                    | 16.44        | 5        | 247        | 33      | 99         | 0         | 0   | 0     | 0     | 0                 | 35                                  |    |      |            |              |
|              |             | C   |                    | 15.03Y    | 125.3        | 0.00            | 0.73                     | 13.88        | 4        | 207        | 27      | 99         | 0         | 0   | 0     | 0     | 0                 | 29                                  |    |      |            |              |
| 677912       | PL.7431     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.41         | 0        | 6          | 1       | 99         | 0.00      | 0.0 | 1.495 | 0.000 | 6                 | 1                                   | 1  | 1    |            |              |
| 677914       | PL.7431     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.79         | 0        | 12         | 2       | 99         | 0.00      | 0.0 | 1.495 | 0.000 | 12                | 2                                   | 1  | 1    |            |              |
| 677920       | PL.7431     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.51         | 0        | 8          | 1       | 99         | 0.00      | 0.0 | 1.495 | 0.000 | 8                 | 1                                   | 1  | 1    |            |              |
| 677921       | PL.7431     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.76         | 0        | 11         | 1       | 100        | 0.00      | 0.0 | 1.495 | 0.000 | 11                | 1                                   | 1  | 1    |            |              |
| 677913       | PL.7431     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.52         | 0        | 8          | 1       | 99         | 0.00      | 0.0 | 1.495 | 0.000 | 8                 | 1                                   | 1  | 1    |            |              |
| 677919       | PL.7431     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0 | 1.495 | 0.000 | 8                 | 1                                   | 1  | 1    |            |              |
| PL.7432      | PL.7431     | A   | 1/0ACSR            | 14.95Y    | 124.6        | 0.01            | 1.42                     | 26.66        | 8        | 395        | 53      | 99         | 0.02      | 0.0 | 1.518 | 0.023 | 0                 | 0                                   | 0  | 54   |            |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.11                    | 12.92        | 4        | 194        | 26      | 99         | 0         | 0   |       |       | 0                 | 0                                   | 29 |      |            |              |
|              |             | C   |                    | 15.03Y    | 125.3        | 0.00            | 0.74                     | 13.88        | 4        | 207        | 27      | 99         | 0         | 0   |       |       | 0                 | 29                                  |    |      |            |              |

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PD.3585, PL.7432, PL.7437, PL.25332, 675907, 675906, 675927, 675901, 676917, PL.38970, C.PD.6792, PL.38971, 675904, 675903, 675902, 675905, PL.28427, 675802, 675804, 675801, 675803, PL.25333, PL.25334, PL.38979, PD.6796, PL.38978, 674911, 674914, 674907, 674904, 674905, 674913, 674912, 674906.

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.25335, PL.38980, PL.25336, PL.25337, PL.17734, C.PD.2967, PL.27837, PL.27838, PL.25128, PL.27837, PL.27837, PL.27837, PL.27837, PL.27837, PL.25338.



Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.17735, PD.2968, etc.

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |                |       | mi<br>From<br>Src | -----Element----- |   | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|----------------|-------|-------------------|-------------------|---|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | Length<br>(mi) | KW    |                   | KVAR              |   |            |              |
| 674925       | PL.38983    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.20         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.821          | 0.000 | 3                 | 0                 | 1 | 1          |              |
| 674924       | PL.38983    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.41         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 1.821          | 0.000 | 6                 | 1                 | 1 | 1          |              |
| 674921       | PL.38983    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.38         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 1.821          | 0.000 | 6                 | 1                 | 1 | 1          |              |
| 674922       | PL.38983    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.53         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 1.821          | 0.000 | 8                 | 1                 | 1 | 1          |              |
| PL.25127     | PL.38983    | A   | 1/0ACSR            | 14.94Y    | 124.5        | 0.00            | 1.47                     | 1.49         | 0        | 22         | 4    | 98      | 0.00       | 0.0       | 1.878          | 0.057 | 0                 | 0                 | 0 | 4          |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.10                    | 1.47         | 0        | 22         | 4    | 99      |            |           |                |       | 0                 | 0                 | 0 | 4          |              |
|              |             | C   |                    | 15.03Y    | 125.2        | 0.00            | 0.77                     | 0.54         | 0        | 8          | 1    | 99      |            |           |                |       | 0                 | 0                 | 0 | 2          |              |
| PL.308       | PL.25127    | A   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.55         | 0        | 8          | 2    | 97      | 0.00       | 0.0       | 1.915          | 0.037 | 0                 | 0                 | 0 | 2          |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.54         | 0        | 8          | 2    | 98      |            |           |                |       | 0                 | 0                 | 0 | 2          |              |
| 675005       | PL.308      | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.22         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.915          | 0.000 | 3                 | 0                 | 1 | 1          |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.22         | 0        | 3          | 0    | 99      |            |           |                |       | 3                 | 0                 | 1 | 1          |              |
| 675007       | PL.308      | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.12         | 0        | 2          | 1    | 89      | 0.00       | 0.0       | 1.915          | 0.000 | 2                 | 1                 | 1 | 1          |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.12         | 0        | 2          | 1    | 90      |            |           |                |       | 2                 | 1                 | 1 | 1          |              |
| 675004       | PL.308      | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.21         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.915          | 0.000 | 3                 | 0                 | 1 | 1          |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.21         | 0        | 3          | 0    | 99      |            |           |                |       | 3                 | 0                 | 1 | 1          |              |
| 674001       | PL.25127    | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.77                     | 0.33         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 1.878          | 0.000 | 5                 | 1                 | 1 | 1          |              |
| 675006       | PL.25127    | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.77                     | 0.20         | 0        | 3          | 0    | 100     | 0.00       | 0.0       | 1.878          | 0.000 | 3                 | 0                 | 1 | 1          |              |
| PL.8621      | PL.25127    | A   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.94         | 0        | 14         | 2    | 99      | 0.00       | 0.0       | 1.926          | 0.048 | 0                 | 0                 | 0 | 3          |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.93         | 0        | 14         | 2    | 99      |            |           |                |       | 0                 | 0                 | 0 | 3          |              |
| PL.8622      | PL.8621     | A   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.38         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 1.962          | 0.037 | 0                 | 0                 | 0 | 1          |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.37         | 0        | 6          | 1    | 98      |            |           |                |       | 0                 | 0                 | 0 | 1          |              |
| 674009       | PL.8622     | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.07         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 1.962          | 0.000 | 1                 | 0                 | 1 | 1          |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.07         | 0        | 1          | 0    | 90      |            |           |                |       | 1                 | 0                 | 1 | 1          |              |
| 674005       | PL.8622     | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.31         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 1.962          | 0.000 | 5                 | 1                 | 1 | 1          |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.30         | 0        | 5          | 1    | 99      |            |           |                |       | 5                 | 1                 | 1 | 1          |              |
| 674004       | PL.8621     | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.32         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 1.926          | 0.000 | 5                 | 1                 | 1 | 1          |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.32         | 0        | 5          | 1    | 99      |            |           |                |       | 5                 | 1                 | 1 | 1          |              |
| 674002       | PL.8621     | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.24         | 0        | 4          | 0    | 100     | 0.00       | 0.0       | 1.926          | 0.000 | 4                 | 0                 | 1 | 1          |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.24         | 0        | 4          | 0    | 99      |            |           |                |       | 4                 | 0                 | 1 | 1          |              |
| 674003       | PL.8621     | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.926          | 0.000 | 0                 | 0                 | 1 | 1          |              |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.00         | 0        | 0          | 0    | 100     |            |           |                |       | 0                 | 0                 | 1 | 1          |              |
| PL.22296     | PL.25334    | A   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.46                     | 4.30         | 2        | 64         | 8    | 99      | 0.00       | 0.0       | 1.740          | 0.002 | 0                 | 0                 | 0 | 8          |              |
| PD.2969      | PL.22296    | A   | fuse6AMP           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 4.30         | 73       | 64         | 8    | 99      | 0.00       | 0.0       | 1.740          | 0.000 | 0                 | 0                 | 0 | 8          |              |
| PL.22297     | PD.2969     | A   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.46                     | 4.30         | 2        | 64         | 8    | 99      | 0.00       | 0.0       | 1.791          | 0.051 | 0                 | 0                 | 0 | 8          |              |
| 674909       | PL.22297    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.53         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 1.791          | 0.000 | 8                 | 1                 | 1 | 1          |              |
| 674802       | PL.22297    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.52         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 1.791          | 0.000 | 8                 | 1                 | 1 | 1          |              |
| 674903       | PL.22297    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 1.791          | 0.000 | 7                 | 1                 | 1 | 1          |              |
| 674901       | PL.22297    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.57         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 1.791          | 0.000 | 8                 | 1                 | 1 | 1          |              |
| 674801       | PL.22297    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.88         | 0        | 13         | 2    | 99      | 0.00       | 0.0       | 1.791          | 0.000 | 13                | 2                 | 1 | 1          |              |
| 674902       | PL.22297    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.36         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 1.791          | 0.000 | 5                 | 1                 | 1 | 1          |              |
| 674908       | PL.22297    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.59         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 1.791          | 0.000 | 9                 | 1                 | 1 | 1          |              |
| 674910       | PL.22297    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 1.791          | 0.000 | 6                 | 1                 | 1 | 1          |              |
| PL.38974     | PL.25333    | A   | 4ACSR              | 14.95Y    | 124.5        | 0.00            | 1.45                     | 4.25         | 2        | 63         | 8    | 99      | 0.00       | 0.0       | 1.680          | 0.005 | 0                 | 0                 | 0 | 8          |              |
| PD.6794      | PL.38974    | A   | fuse6AMP           | 14.95Y    | 124.5        | 0.00            | 1.45                     | 4.25         | 73       | 63         | 8    | 99      | 0.00       | 0.0       | 1.680          | 0.000 | 0                 | 0                 | 0 | 8          |              |
| PL.38975     | PD.6794     | A   | 4ACSR              | 14.95Y    | 124.5        | 0.00            | 1.45                     | 4.25         | 2        | 63         | 8    | 99      | 0.00       | 0.0       | 1.703          | 0.023 | 0                 | 0                 | 0 | 8          |              |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.28650     | PL.38975    | A   | 4ACSR              | 14.95Y    | 124.5        | 0.00            | 1.46                     | 2.02         | 1        | 30         | 4       | 99         | 0.00      | 0.0               | 1.730                               | 0.027 | 0    | 0          | 0            | 4 |
| 675806       | PL.28650    | A   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.46                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.730                               | 0.000 | 7    | 1          | 1            | 1 |
| 675805       | PL.28650    | A   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.46                     | 0.52         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.730                               | 0.000 | 8    | 1          | 1            | 1 |
| 675919       | PL.28650    | A   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.46                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.730                               | 0.000 | 8    | 1          | 1            | 1 |
| 675920       | PL.28650    | A   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.46                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.730                               | 0.000 | 7    | 1          | 1            | 1 |
| 675922       | PL.38975    | A   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.45                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.703                               | 0.000 | 7    | 1          | 1            | 1 |
| 675917       | PL.38975    | A   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.45                     | 0.68         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 1.703                               | 0.000 | 10   | 1          | 1            | 1 |
| 675918       | PL.38975    | A   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.45                     | 0.54         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.703                               | 0.000 | 8    | 1          | 1            | 1 |
| 675921       | PL.38975    | A   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.45                     | 0.52         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.703                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.38977     | PL.25333    | C   | 4ACSR              | 15.03Y    | 125.2        | 0.00            | 0.76                     | 2.71         | 1        | 40         | 5       | 99         | 0.00      | 0.0               | 1.680                               | 0.004 | 0    | 0          | 0            | 4 |
| PD.6795      | PL.38977    | C   | fuse6AMP           | 15.03Y    | 125.2        | 0.00            | 0.76                     | 2.71         | 46       | 40         | 5       | 99         | 0.00      | 0.0               | 1.680                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.38976     | PD.6795     | C   | 4ACSR              | 15.03Y    | 125.2        | 0.00            | 0.76                     | 2.71         | 1        | 40         | 5       | 99         | 0.00      | 0.0               | 1.705                               | 0.025 | 0    | 0          | 0            | 4 |
| 675914       | PL.38976    | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.76                     | 0.68         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 1.705                               | 0.000 | 10   | 1          | 1            | 1 |
| 675926       | PL.38976    | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.76                     | 0.70         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 1.705                               | 0.000 | 10   | 1          | 1            | 1 |
| 675913       | PL.38976    | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.76                     | 0.84         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 1.705                               | 0.000 | 13   | 2          | 1            | 1 |
| 675925       | PL.38976    | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.76                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.705                               | 0.000 | 7    | 1          | 1            | 1 |
| 675915       | PL.25333    | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.76                     | 0.62         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.676                               | 0.000 | 9    | 1          | 1            | 1 |
| 675923       | PL.25333    | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.76                     | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.676                               | 0.000 | 9    | 1          | 1            | 1 |
| 675924       | PL.25333    | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.76                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.676                               | 0.000 | 8    | 1          | 1            | 1 |
| 675916       | PL.25333    | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.76                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.676                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.38973     | PL.25332    | B   | 4ACSR              | 15.13Y    | 126.1        | 0.00            | -0.11                    | 2.08         | 1        | 31         | 4       | 99         | 0.00      | 0.0               | 1.624                               | 0.003 | 0    | 0          | 0            | 4 |
| PD.6793      | PL.38973    | B   | fuse6AMP           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 2.08         | 36       | 31         | 4       | 99         | 0.00      | 0.0               | 1.624                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.38972     | PD.6793     | B   | 4ACSR              | 15.13Y    | 126.1        | 0.00            | -0.11                    | 2.08         | 1        | 31         | 4       | 99         | 0.00      | 0.0               | 1.649                               | 0.026 | 0    | 0          | 0            | 4 |
| 676918       | PL.38972    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.649                               | 0.000 | 8    | 1          | 1            | 1 |
| 675908       | PL.38972    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.649                               | 0.000 | 8    | 1          | 1            | 1 |
| 676919       | PL.38972    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.59         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.649                               | 0.000 | 9    | 1          | 1            | 1 |
| 675909       | PL.38972    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.44         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.649                               | 0.000 | 7    | 1          | 1            | 1 |
| 676902       | PL.7437     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.67         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 1.547                               | 0.000 | 10   | 1          | 1            | 1 |
| 676901       | PL.7437     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.46         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.547                               | 0.000 | 7    | 1          | 1            | 1 |
| 676903       | PL.7437     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.547                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.22298     | PL.7437     | B   | 4ACSR              | 15.13Y    | 126.1        | 0.00            | -0.11                    | 3.16         | 2        | 47         | 6       | 99         | 0.00      | 0.0               | 1.548                               | 0.002 | 0    | 0          | 0            | 6 |
| PD.2970      | PL.22298    | B   | fuse6AMP           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 3.16         | 54       | 47         | 6       | 99         | 0.00      | 0.0               | 1.548                               | 0.000 | 0    | 0          | 0            | 6 |
| PL.22299     | PD.2970     | B   | 4ACSR              | 15.13Y    | 126.1        | 0.00            | -0.10                    | 3.16         | 2        | 47         | 6       | 99         | 0.00      | 0.0               | 1.576                               | 0.027 | 0    | 0          | 0            | 6 |
| 676911       | PL.22299    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.65         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 1.576                               | 0.000 | 10   | 1          | 1            | 1 |
| 676904       | PL.22299    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.41         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.576                               | 0.000 | 6    | 1          | 1            | 1 |
| 676913       | PL.22299    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.57         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.576                               | 0.000 | 9    | 1          | 1            | 1 |
| 676906       | PL.22299    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.33         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.576                               | 0.000 | 5    | 1          | 1            | 1 |
| 676912       | PL.22299    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.41         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.576                               | 0.000 | 6    | 1          | 1            | 1 |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 676905       | PL.22299    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.79         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.576                               | 0.000 | 12   | 2          | 1            | 1  |
| 677910       | PL.7601     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.38         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.459                               | 0.000 | 6    | 1          | 1            | 1  |
| 677918       | PL.7601     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.73         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.459                               | 0.000 | 11   | 1          | 1            | 1  |
| 677909       | PL.7601     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.57         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.459                               | 0.000 | 9    | 1          | 1            | 1  |
| 677915       | PL.7601     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.459                               | 0.000 | 9    | 1          | 1            | 1  |
| 677911       | PL.7601     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.63         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.459                               | 0.000 | 9    | 1          | 1            | 1  |
| 677916       | PL.7601     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.77         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.459                               | 0.000 | 12   | 2          | 1            | 1  |
| 677917       | PL.7601     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.73         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.459                               | 0.000 | 11   | 1          | 1            | 1  |
| 677908       | PL.7601     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.11                    | 0.37         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.459                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.17741     | PL.7814     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.39                     | 10.61        | 5        | 157        | 20      | 99         | 0.00      | 0.0               | 1.398                               | 0.003 | 0    | 0          | 0            | 23 |
| PD.3586      | PL.17741    | A   | 25V4E              | 14.95Y    | 124.6        | 0.00            | 1.39                     | 10.61        | 42       | 157        | 20      | 99         | 0.00      | 0.0               | 1.398                               | 0.000 | 0    | 0          | 0            | 23 |
| PL.17742     | PD.3586     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.01            | 1.40                     | 10.61        | 5        | 157        | 20      | 99         | 0.01      | 0.0               | 1.434                               | 0.036 | 0    | 0          | 0            | 23 |
| 678902       | PL.17742    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.434                               | 0.000 | 8    | 1          | 1            | 1  |
| 678905       | PL.17742    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.434                               | 0.000 | 7    | 1          | 1            | 1  |
| 678904       | PL.17742    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.30         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.434                               | 0.000 | 4    | 1          | 1            | 1  |
| 678912       | PL.17742    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.43         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.434                               | 0.000 | 6    | 1          | 1            | 1  |
| 678903       | PL.17742    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.44         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.434                               | 0.000 | 7    | 1          | 1            | 1  |
| 678920       | PL.17742    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.31         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.434                               | 0.000 | 5    | 1          | 1            | 1  |
| 678911       | PL.17742    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.59         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.434                               | 0.000 | 9    | 1          | 1            | 1  |
| 678906       | PL.17742    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.68         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 1.434                               | 0.000 | 10   | 1          | 1            | 1  |
| PL.24365     | PL.17742    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.01            | 1.40                     | 6.88         | 4        | 102        | 13      | 99         | 0.01      | 0.0               | 1.488                               | 0.055 | 0    | 0          | 0            | 15 |
| 677905       | PL.24365    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.42         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.488                               | 0.000 | 6    | 1          | 1            | 1  |
| 677906       | PL.24365    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.488                               | 0.000 | 8    | 1          | 1            | 1  |
| 677808       | PL.24365    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.39         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.488                               | 0.000 | 6    | 1          | 1            | 1  |
| 678807       | PL.24365    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.24         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 1.488                               | 0.000 | 4    | 0          | 1            | 1  |
| 677907       | PL.24365    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.79         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.488                               | 0.000 | 12   | 2          | 1            | 1  |
| 678901       | PL.24365    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.47         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.488                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.7815      | PL.24365    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.41                     | 4.01         | 2        | 59         | 8       | 99         | 0.00      | 0.0               | 1.520                               | 0.032 | 0    | 0          | 0            | 9  |
| 677904       | PL.7815     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.54         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.520                               | 0.000 | 8    | 1          | 1            | 1  |
| 677811       | PL.7815     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.12         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.520                               | 0.000 | 2    | 0          | 1            | 1  |
| 677903       | PL.7815     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.31         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.520                               | 0.000 | 5    | 1          | 1            | 1  |
| 677809       | PL.7815     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.520                               | 0.000 | 0    | 0          | 0            | 0  |
| 677810       | PL.7815     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.62         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.520                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.7816      | PL.7815     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.41                     | 2.41         | 1        | 36         | 5       | 99         | 0.00      | 0.0               | 1.554                               | 0.033 | 0    | 0          | 0            | 5  |
| 677901       | PL.7816     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.554                               | 0.000 | 9    | 1          | 1            | 1  |
| 677812       | PL.7816     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.43         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.554                               | 0.000 | 6    | 1          | 1            | 1  |
| 677813       | PL.7816     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.43         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.554                               | 0.000 | 6    | 1          | 1            | 1  |
| 677814       | PL.7816     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.37         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.554                               | 0.000 | 6    | 1          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 677902       | PL.7816     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.554                               | 0.000 | 9    | 1          | 1            | 1  |
| 678917       | PL.17744    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.38         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.348                               | 0.000 | 6    | 1          | 1            | 1  |
| 678918       | PL.17744    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.20         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.348                               | 0.000 | 3    | 0          | 1            | 1  |
| 677929       | PL.17744    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.79         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.348                               | 0.000 | 12   | 2          | 1            | 1  |
| PL.17737     | PL.17744    | C   | 4ACSR              | 15.03Y    | 125.3        | 0.00            | 0.72                     | 14.92        | 8        | 222        | 29      | 99         | 0.00      | 0.0               | 1.354                               | 0.005 | 0    | 0          | 0            | 26 |
| PD.3584      | PL.17737    | C   | 70E                | 15.03Y    | 125.3        | 0.00            | 0.72                     | 14.92        | 21       | 222        | 29      | 99         | 0.00      | 0.0               | 1.354                               | 0.000 | 0    | 0          | 0            | 26 |
| PL.17738     | PD.3584     | C   | 4ACSR              | 15.03Y    | 125.3        | 0.00            | 0.72                     | 14.92        | 8        | 222        | 29      | 99         | 0.01      | 0.0               | 1.365                               | 0.011 | 0    | 0          | 0            | 26 |
| 678002       | PL.17738    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.57         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.365                               | 0.000 | 9    | 1          | 1            | 1  |
| 678001       | PL.17738    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.82         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.365                               | 0.000 | 12   | 2          | 1            | 1  |
| PL.7433      | PL.17738    | C   | 4ACSR              | 15.03Y    | 125.3        | 0.01            | 0.73                     | 13.52        | 7        | 202        | 26      | 99         | 0.02      | 0.0               | 1.407                               | 0.042 | 0    | 0          | 0            | 24 |
| PL.7434      | PL.7433     | C   | 4ACSR              | 15.03Y    | 125.3        | 0.01            | 0.75                     | 13.04        | 7        | 194        | 25      | 99         | 0.02      | 0.0               | 1.455                               | 0.048 | 0    | 0          | 0            | 23 |
| 678007       | PL.7434     | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.75                     | 0.71         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.455                               | 0.000 | 11   | 1          | 1            | 1  |
| 678006       | PL.7434     | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.75                     | 0.50         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.455                               | 0.000 | 8    | 1          | 1            | 1  |
| 678005       | PL.7434     | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.75                     | 0.35         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.455                               | 0.000 | 5    | 1          | 1            | 1  |
| PL.8615      | PL.7434     | C   | 4ACSR              | 15.03Y    | 125.2        | 0.01            | 0.75                     | 11.48        | 6        | 171        | 22      | 99         | 0.01      | 0.0               | 1.481                               | 0.026 | 0    | 0          | 0            | 20 |
| PL.8616      | PL.8615     | C   | 4ACSR              | 15.03Y    | 125.2        | 0.01            | 0.76                     | 10.26        | 5        | 153        | 20      | 99         | 0.01      | 0.0               | 1.504                               | 0.023 | 0    | 0          | 0            | 18 |
| 677002       | PL.8616     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.76                     | 0.89         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 1.504                               | 0.000 | 13   | 2          | 1            | 1  |
| 677003       | PL.8616     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.76                     | 0.89         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 1.504                               | 0.000 | 13   | 2          | 1            | 1  |
| PL.7438      | PL.8616     | C   | 4ACSR              | 15.03Y    | 125.2        | 0.01            | 0.76                     | 8.48         | 4        | 126        | 16      | 99         | 0.01      | 0.0               | 1.536                               | 0.031 | 0    | 0          | 0            | 16 |
| PL.7436      | PL.7438     | C   | 4ACSR              | 15.03Y    | 125.2        | 0.00            | 0.77                     | 7.01         | 4        | 105        | 14      | 99         | 0.00      | 0.0               | 1.557                               | 0.021 | 0    | 0          | 0            | 14 |
| 676909       | PL.7436     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.77                     | 0.57         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.557                               | 0.000 | 8    | 1          | 1            | 1  |
| 676910       | PL.7436     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.77                     | 0.46         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.557                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.7435      | PL.7436     | C   | 4ACSR              | 15.03Y    | 125.2        | 0.01            | 0.77                     | 5.98         | 3        | 89         | 12      | 99         | 0.00      | 0.0               | 1.606                               | 0.050 | 0    | 0          | 0            | 12 |
| PL.8617      | PL.7435     | C   | 4ACSR              | 15.03Y    | 125.2        | 0.00            | 0.77                     | 3.95         | 2        | 59         | 8       | 99         | 0.00      | 0.0               | 1.637                               | 0.030 | 0    | 0          | 0            | 8  |
| 675912       | PL.8617     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.77                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.637                               | 0.000 | 8    | 1          | 1            | 1  |
| 676001       | PL.8617     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.77                     | 0.50         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.637                               | 0.000 | 7    | 1          | 1            | 1  |
| 675911       | PL.8617     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.77                     | 0.46         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.637                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.8618      | PL.8617     | C   | 4ACSR              | 15.03Y    | 125.2        | 0.00            | 0.78                     | 2.43         | 1        | 36         | 5       | 99         | 0.00      | 0.0               | 1.675                               | 0.039 | 0    | 0          | 0            | 5  |
| PL.8619      | PL.8618     | C   | 4ACSR              | 15.03Y    | 125.2        | 0.00            | 0.78                     | 1.51         | 1        | 23         | 3       | 99         | 0.00      | 0.0               | 1.710                               | 0.035 | 0    | 0          | 0            | 3  |
| 675002       | PL.8619     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.59         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.710                               | 0.000 | 9    | 1          | 1            | 1  |
| 675001       | PL.8619     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.710                               | 0.000 | 7    | 1          | 1            | 1  |
| 675003       | PL.8619     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.44         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.710                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.8620      | PL.8619     | C   | 4ACSR              | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.738                               | 0.028 | 0    | 0          | 0            | 0  |
| 676002       | PL.8618     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.675                               | 0.000 | 8    | 1          | 1            | 1  |
| 676003       | PL.8618     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.39         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.675                               | 0.000 | 6    | 1          | 1            | 1  |
| 676908       | PL.7435     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.77                     | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.606                               | 0.000 | 9    | 1          | 1            | 1  |
| 677004       | PL.7435     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.77                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.606                               | 0.000 | 8    | 1          | 1            | 1  |
| 675910       | PL.7435     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.77                     | 0.70         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 1.606                               | 0.000 | 10   | 1          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW |            |              | KVAR |
| 677005       | PL.7435     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.77                     | 0.23         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.606          | 0.000             | 3  | 0          | 1            | 1    |
| 677001       | PL.7438     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.76                     | 0.92         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 1.536          | 0.000             | 14 | 2          | 1            | 1    |
| 676907       | PL.7438     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.76                     | 0.55         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 1.536          | 0.000             | 8  | 1          | 1            | 1    |
| 678008       | PL.8615     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.75                     | 0.80         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 1.481          | 0.000             | 12 | 2          | 1            | 1    |
| 678009       | PL.8615     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.75                     | 0.42         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.481          | 0.000             | 6  | 1          | 1            | 1    |
| 678003       | PL.7433     | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.73                     | 0.48         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.407          | 0.000             | 7  | 1          | 1            | 1    |
| PL.24364     | PL.25324    | A   | 1/0ACSR            | 14.96Y    | 124.7        | 0.00            | 1.33                     | 0.83         | 0        | 11         | 5    | 91      | 0.00       | 0.0               | 1.266          | 0.048             | 0  | 0          | 0            | 1    |
|              |             | B   |                    | 15.14Y    | 126.1        | -0.00           | -0.14                    | 0.00         | 0        | 0          | 0    | 100     |            |                   | 0              | 0                 | 0  | 0          | 0            |      |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.00            | 0.67                     | 0.82         | 0        | 11         | 5    | 90      |            |                   | 0              | 0                 | 0  | 0          | 1            |      |
| 678919       | PL.24364    | A   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.33                     | 0.83         | 0        | 11         | 5    | 91      | 0.00       | 0.0               | 1.266          | 0.000             | 11 | 5          | 1            | 1    |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.00            | 0.67                     | 0.82         | 0        | 11         | 5    | 90      |            |                   | 11             | 5                 | 1  | 1          |              |      |
| PL.28243     | PL.25323    | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.33                     | 21.37        | 11       | 317        | 42   | 99      | 0.01       | 0.0               | 1.200          | 0.005             | 0  | 0          | 0            | 39   |
| PD.3522      | PL.28243    | A   | 70E                | 14.96Y    | 124.7        | 0.00            | 1.33                     | 21.37        | 31       | 317        | 42   | 99      | 0.00       | 0.0               | 1.200          | 0.000             | 0  | 0          | 0            | 39   |
| PL.28244     | PD.3522     | A   | 4ACSR              | 14.96Y    | 124.6        | 0.04            | 1.36                     | 21.37        | 11       | 317        | 42   | 99      | 0.09       | 0.0               | 1.285          | 0.085             | 0  | 0          | 0            | 39   |
| PL.25326     | PL.28244    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.03            | 1.40                     | 21.37        | 11       | 317        | 42   | 99      | 0.08       | 0.0               | 1.356          | 0.072             | 0  | 0          | 0            | 39   |
| 678811       | PL.25326    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.39         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.356          | 0.000             | 6  | 1          | 1            | 1    |
| 678810       | PL.25326    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.17         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.356          | 0.000             | 3  | 0          | 1            | 1    |
| 678809       | PL.25326    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.27         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.356          | 0.000             | 4  | 1          | 1            | 1    |
| 678808       | PL.25326    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.38         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.356          | 0.000             | 6  | 1          | 1            | 1    |
| PL.25327     | PL.25326    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.01            | 1.41                     | 20.16        | 10       | 299        | 39   | 99      | 0.02       | 0.0               | 1.377          | 0.020             | 0  | 0          | 0            | 35   |
| PL.7813      | PL.25327    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.02            | 1.42                     | 19.25        | 10       | 285        | 37   | 99      | 0.03       | 0.0               | 1.415          | 0.038             | 0  | 0          | 0            | 33   |
| PL.7812      | PL.7813     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.02            | 1.44                     | 17.02        | 9        | 252        | 33   | 99      | 0.04       | 0.0               | 1.474          | 0.059             | 0  | 0          | 0            | 30   |
| 677806       | PL.7812     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.44                     | 0.92         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 1.474          | 0.000             | 14 | 2          | 1            | 1    |
| 677804       | PL.7812     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.44                     | 1.04         | 0        | 15         | 2    | 99      | 0.00       | 0.0               | 1.474          | 0.000             | 15 | 2          | 1            | 1    |
| 677805       | PL.7812     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.44                     | 0.11         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.474          | 0.000             | 2  | 0          | 1            | 1    |
| PL.25328     | PL.7812     | A   | 4ACSR              | 14.94Y    | 124.5        | 0.02            | 1.46                     | 14.95        | 8        | 221        | 29   | 99      | 0.03       | 0.0               | 1.534          | 0.059             | 0  | 0          | 0            | 27   |
| PL.38966     | PL.25328    | A   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.46                     | 4.69         | 2        | 70         | 9    | 99      | 0.00       | 0.0               | 1.537          | 0.004             | 0  | 0          | 0            | 8    |
| C PD.6790    | PL.38966    | A   | fuse6AMP           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 4.69         | 80       | 70         | 9    | 99      | 0.00       | 0.0               | 1.537          | 0.000             | 0  | 0          | 0            | 8 C  |
| PL.38967     | PD.6790     | A   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.46                     | 4.69         | 2        | 70         | 9    | 99      | 0.00       | 0.0               | 1.562          | 0.025             | 0  | 0          | 0            | 8    |
| PL.28429     | PL.38967    | A   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.47                     | 1.31         | 1        | 19         | 3    | 99      | 0.00       | 0.0               | 1.620          | 0.058             | 0  | 0          | 0            | 3    |
| 676915       | PL.28429    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.59         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 1.620          | 0.000             | 9  | 1          | 1            | 1    |
| 676914       | PL.28429    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.36         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.620          | 0.000             | 5  | 1          | 1            | 1    |
| 676916       | PL.28429    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.37         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.620          | 0.000             | 5  | 1          | 1            | 1    |
| 676801       | PL.38967    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.79         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 1.562          | 0.000             | 12 | 2          | 1            | 1    |
| 676803       | PL.38967    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.82         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 1.562          | 0.000             | 12 | 2          | 1            | 1    |
| 676802       | PL.38967    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.562          | 0.000             | 7  | 1          | 1            | 1    |
| 676805       | PL.38967    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.47         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.562          | 0.000             | 7  | 1          | 1            | 1    |
| 676804       | PL.38967    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.85         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 1.562          | 0.000             | 13 | 2          | 1            | 1    |
| PL.25329     | PL.25328    | A   | 4ACSR              | 14.94Y    | 124.5        | 0.01            | 1.47                     | 9.44         | 5        | 140        | 18   | 99      | 0.01       | 0.0               | 1.579          | 0.045             | 0  | 0          | 0            | 17   |
| 676807       | PL.25329    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.579          | 0.000             | 7  | 1          | 1            | 1    |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 676806       | PL.25329    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.47                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.579                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.25330     | PL.25329    | A   | 4ACSR              | 14.94Y    | 124.5        | 0.01            | 1.48                     | 8.44         | 4        | 125        | 16      | 99         | 0.01      | 0.0               | 1.618                               | 0.039 | 0    | 0          | 0            | 15 |
| PL.25331     | PL.25330    | A   | 4ACSR              | 14.94Y    | 124.5        | 0.01            | 1.48                     | 6.77         | 3        | 100        | 13      | 99         | 0.00      | 0.0               | 1.663                               | 0.045 | 0    | 0          | 0            | 12 |
| 675812       | PL.25331    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.48                     | 0.59         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.663                               | 0.000 | 9    | 1          | 1            | 1  |
| 675810       | PL.25331    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.48                     | 0.74         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.663                               | 0.000 | 11   | 1          | 1            | 1  |
| 675811       | PL.25331    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.48                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.663                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.7439      | PL.25331    | A   | 4ACSR              | 14.94Y    | 124.5        | 0.01            | 1.49                     | 5.43         | 3        | 80         | 10      | 99         | 0.00      | 0.0               | 1.709                               | 0.047 | 0    | 0          | 0            | 10 |
| PL.25340     | PL.7439     | A   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.49                     | 4.06         | 2        | 60         | 8       | 99         | 0.00      | 0.0               | 1.751                               | 0.042 | 0    | 0          | 0            | 7  |
| 674806       | PL.25340    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.49                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.751                               | 0.000 | 7    | 1          | 1            | 1  |
| 674807       | PL.25340    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.49                     | 0.31         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.751                               | 0.000 | 5    | 1          | 1            | 1  |
| 674808       | PL.25340    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.49                     | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.751                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.25341     | PL.25340    | A   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.50                     | 2.72         | 1        | 40         | 5       | 99         | 0.00      | 0.0               | 1.794                               | 0.043 | 0    | 0          | 0            | 4  |
| 674809       | PL.25341    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.50                     | 0.63         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.794                               | 0.000 | 9    | 1          | 1            | 1  |
| 673801       | PL.25341    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.50                     | 0.47         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.794                               | 0.000 | 7    | 1          | 1            | 1  |
| 673803       | PL.25341    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.50                     | 0.77         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.794                               | 0.000 | 11   | 1          | 1            | 1  |
| 673802       | PL.25341    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.50                     | 0.84         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.794                               | 0.000 | 12   | 2          | 1            | 1  |
| 674805       | PL.7439     | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.49                     | 0.47         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.709                               | 0.000 | 7    | 1          | 1            | 1  |
| 674803       | PL.7439     | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.49                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.709                               | 0.000 | 7    | 1          | 1            | 1  |
| 674804       | PL.7439     | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.49                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.709                               | 0.000 | 7    | 1          | 1            | 1  |
| 675809       | PL.25330    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.48                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.618                               | 0.000 | 7    | 1          | 1            | 1  |
| 675808       | PL.25330    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.48                     | 0.75         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.618                               | 0.000 | 11   | 1          | 1            | 1  |
| 675807       | PL.25330    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.48                     | 0.44         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.618                               | 0.000 | 7    | 1          | 1            | 1  |
| 676808       | PL.25328    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.534                               | 0.000 | 1    | 0          | 1            | 1  |
| 677807       | PL.25328    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46                     | 0.75         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.534                               | 0.000 | 11   | 1          | 1            | 1  |
| 677803       | PL.7813     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.42                     | 0.69         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 1.415                               | 0.000 | 10   | 1          | 1            | 1  |
| 677801       | PL.7813     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.42                     | 0.74         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.415                               | 0.000 | 11   | 1          | 1            | 1  |
| 677802       | PL.7813     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.42                     | 0.81         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.415                               | 0.000 | 12   | 2          | 1            | 1  |
| 678806       | PL.25327    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.47         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.377                               | 0.000 | 7    | 1          | 1            | 1  |
| 678805       | PL.25327    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.43         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.377                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.24363     | PL.28244    | A   | 4ACSR              | 14.96Y    | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.308                               | 0.024 | 0    | 0          | 0            | 0  |
| PL.38968     | PL.28244    | A   | 4ACSR              | 14.96Y    | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.287                               | 0.002 | 0    | 0          | 0            | 0  |
| PD.6791      | PL.38968    | A   | fuse6AMP           | 14.96Y    | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.287                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.38969     | PD.6791     | A   | 4ACSR              | 14.96Y    | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.334                               | 0.047 | 0    | 0          | 0            | 0  |
| PL.22300     | PL.25322    | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.30                     | 0.77         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.159                               | 0.006 | 0    | 0          | 0            | 1  |
| PD.2972      | PL.22300    | A   | fuse6AMP           | 14.96Y    | 124.7        | 0.00            | 1.30                     | 0.77         | 13       | 11         | 1       | 100        | 0.00      | 0.0               | 1.159                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.28242     | PD.2972     | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.30                     | 0.77         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.188                               | 0.029 | 0    | 0          | 0            | 1  |
| 679904       | PL.28242    | A   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.30                     | 0.77         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.188                               | 0.000 | 11   | 1          | 1            | 1  |
| PL.18758     | PL.25319    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.39                     | 4.93         | 3        | 74         | 10      | 99         | 0.00      | 0.0               | 0.698                               | 0.009 | 0    | 0          | 0            | 9  |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PD.3291      | PL.18758    | C   | 70V4E              | 15.07Y    | 125.6        | 0.00            | 0.39                     | 4.93         | 0        | 74         | 10   | 99      | 0.00       | 0.0               | 0.698                               | 0.000 | 0    | 0          | 0            | 9         |
| PL.18759     | PD.3291     | C   | 4ACSR              | 15.07Y    | 125.6        | 0.01            | 0.40                     | 4.93         | 3        | 74         | 10   | 99      | 0.01       | 0.0               | 0.804                               | 0.106 | 0    | 0          | 0            | 9         |
| PL.25320     | PL.18759    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.01            | 0.41                     | 2.20         | 1        | 33         | 4    | 99      | 0.00       | 0.0               | 0.916                               | 0.112 | 0    | 0          | 0            | 5         |
| PL.36635     | PL.25320    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 1.25         | 1        | 19         | 2    | 99      | 0.00       | 0.0               | 0.925                               | 0.009 | 0    | 0          | 0            | 2         |
| PD.5692      | PL.36635    | C   | fuse6AMP           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 1.25         | 21       | 19         | 2    | 99      | 0.00       | 0.0               | 0.925                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.36636     | PD.5692     | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 1.25         | 1        | 19         | 2    | 99      | 0.00       | 0.0               | 0.947                               | 0.021 | 0    | 0          | 0            | 2         |
| 1143119      | PL.36636    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.947                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.22391     | PL.36636    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 1.25         | 1        | 19         | 2    | 99      | 0.00       | 0.0               | 0.980                               | 0.034 | 0    | 0          | 0            | 2         |
| PL.21678     | PL.22391    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.004                               | 0.024 | 0    | 0          | 0            | 0         |
| 1143117      | PL.22391    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.77         | 0        | 12         | 1    | 100     | 0.00       | 0.0               | 0.980                               | 0.000 | 12   | 1          | 1            | 1         |
| 1143118      | PL.22391    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.48         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 0.980                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.25321     | PL.25320    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.42         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 0.986                               | 0.069 | 0    | 0          | 0            | 2         |
| 1143116      | PL.25321    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.42         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 0.986                               | 0.000 | 6    | 1          | 1            | 1         |
| 1143178      | PL.25321    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.986                               | 0.000 | 0    | 0          | 1            | 1         |
| 1143108      | PL.25320    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.52         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 0.916                               | 0.000 | 8    | 1          | 1            | 1         |
| PL.36633     | PL.18759    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.40                     | 2.73         | 1        | 41         | 5    | 99      | 0.00       | 0.0               | 0.809                               | 0.005 | 0    | 0          | 0            | 4         |
| PD.5691      | PL.36633    | C   | fuse6AMP           | 15.07Y    | 125.6        | 0.00            | 0.40                     | 2.73         | 47       | 41         | 5    | 99      | 0.00       | 0.0               | 0.809                               | 0.000 | 0    | 0          | 0            | 4         |
| PL.36634     | PD.5691     | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.40                     | 2.73         | 1        | 41         | 5    | 99      | 0.00       | 0.0               | 0.822                               | 0.013 | 0    | 0          | 0            | 4         |
| PL.21646     | PL.36634    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.40                     | 1.66         | 1        | 25         | 3    | 99      | 0.00       | 0.0               | 0.906                               | 0.084 | 0    | 0          | 0            | 3         |
| 1143121      | PL.21646    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.40                     | 0.59         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 0.906                               | 0.000 | 9    | 1          | 1            | 1         |
| PL.33899     | PL.21646    | C   | 2ACSR              | 15.07Y    | 125.6        | 0.00            | 0.40                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.952                               | 0.045 | 0    | 0          | 0            | 0         |
| PL.21647     | PL.21646    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.40                     | 0.52         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 0.939                               | 0.033 | 0    | 0          | 0            | 1         |
| 1143120      | PL.21647    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.40                     | 0.52         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 0.939                               | 0.000 | 8    | 1          | 1            | 1         |
| PL.21636     | PL.21646    | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.40                     | 0.54         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 0.922                               | 0.015 | 0    | 0          | 0            | 1         |
| 1143122      | PL.21636    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.40                     | 0.54         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 0.922                               | 0.000 | 8    | 1          | 1            | 1         |
| 1143184      | PL.36634    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.40                     | 1.08         | 0        | 16         | 2    | 99      | 0.00       | 0.0               | 0.822                               | 0.000 | 16   | 2          | 1            | 1         |
| PL.17251     | PL.25318    | C   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.19                     | 0.83         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 0.384                               | 0.014 | 0    | 0          | 0            | 1         |
| PD.799       | PL.17251    | C   | fuse6AMP           | 15.10Y    | 125.8        | 0.00            | 0.19                     | 0.83         | 14       | 12         | 2    | 99      | 0.00       | 0.0               | 0.384                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.17252     | PD.799      | C   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.19                     | 0.83         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 0.411                               | 0.027 | 0    | 0          | 0            | 1         |
| 114335       | PL.17252    | C   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.19                     | 0.83         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 0.411                               | 0.000 | 12   | 2          | 1            | 1         |
| PL.17249     | PL.25318    | B   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | 0.02                     | 0.51         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 0.384                               | 0.014 | 0    | 0          | 0            | 1         |
| PD.8603      | PL.17249    | B   | fuse6AMP           | 15.12Y    | 126.0        | 0.00            | 0.02                     | 0.51         | 9        | 8          | 1    | 99      | 0.00       | 0.0               | 0.384                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.17250     | PD.8603     | B   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | 0.02                     | 0.51         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 0.418                               | 0.034 | 0    | 0          | 0            | 1         |
| 1143177      | PL.17250    | B   | Consumer           | 15.12Y    | 126.0        | 0.00            | 0.02                     | 0.51         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 0.418                               | 0.000 | 8    | 1          | 1            | 1         |
| 114350       | PL.5350     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.296                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.17        | PL.5350     | B   | 4ACSR              | 15.11Y    | 125.9        | 0.03            | 0.07                     | 27.45        | 14       | 411        | 54   | 99      | 0.09       | 0.0               | 0.346                               | 0.050 | 0    | 0          | 0            | 48        |
| PL.14832     | PL.17       | B   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.07                     | 27.45        | 14       | 411        | 54   | 99      | 0.01       | 0.0               | 0.352                               | 0.006 | 0    | 0          | 0            | 48        |
| PD.3304      | PL.14832    | B   | 70V4E              | 15.11Y    | 125.9        | 0.00            | 0.07                     | 27.45        | 0        | 411        | 54   | 99      | 0.00       | 0.0               | 0.352                               | 0.000 | 0    | 0          | 0            | 48        |



Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PD.5704-A    | PL.36660    | B   | Closed             | 15.09Y    | 125.8        | 0.00            | 0.24                     | 1.40         | 0        | 21         | 3       | 99         | 0.00      | 0.0               | 0.989                               | 0.000 | 0    | 0          | 0            | 4 |
| PD.5704-B    | PD.5704-A   | B   | Closed             | 15.09Y    | 125.8        | 0.00            | 0.24                     | 1.40         | 0        | 21         | 3       | 99         | 0.00      | 0.0               | 0.989                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.36661     | PD.5704-B   | B   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.25                     | 1.40         | 1        | 21         | 3       | 99         | 0.00      | 0.0               | 1.013                               | 0.024 | 0    | 0          | 0            | 4 |
| PL.8641      | PL.36661    | B   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.25                     | 0.81         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.052                               | 0.039 | 0    | 0          | 0            | 2 |
| PL.22406     | PL.8641     | B   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.25                     | 0.81         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.076                               | 0.024 | 0    | 0          | 0            | 2 |
| 115309       | PL.22406    | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.25                     | 0.25         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 1.076                               | 0.000 | 4    | 0          | 1            | 1 |
| PL.22407     | PL.22406    | B   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.25                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.104                               | 0.029 | 0    | 0          | 0            | 1 |
| 115308       | PL.22407    | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.25                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.104                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.775       | PL.36661    | B   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.25                     | 0.59         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.109                               | 0.096 | 0    | 0          | 0            | 2 |
| 1153123      | PL.775      | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.25                     | 0.57         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.109                               | 0.000 | 8    | 1          | 1            | 1 |
| 1153145      | PL.775      | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.25                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.109                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.771       | PL.36661    | B   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.25                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.050                               | 0.037 | 0    | 0          | 0            | 0 |
| 115318       | PL.771      | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.25                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.050                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.27787     | PL.8639     | B   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.24                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.999                               | 0.015 | 0    | 0          | 0            | 0 |
| PD.879       | PL.27787    | B   | fuse6AMP           | 15.09Y    | 125.8        | 0.00            | 0.24                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.999                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.27788     | PD.879      | B   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.24                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.040                               | 0.041 | 0    | 0          | 0            | 0 |
| 1153137      | PL.8637     | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.23                     | 0.50         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 0.820                               | 0.000 | 7    | 1          | 1            | 1 |
| 1153120      | PL.8637     | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.23                     | 0.43         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.820                               | 0.000 | 6    | 1          | 1            | 1 |
| 1153142      | PL.36659    | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.23                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 0.749                               | 0.000 | 7    | 1          | 1            | 1 |
| 1153141      | PL.36659    | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.23                     | 0.91         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 0.749                               | 0.000 | 14   | 2          | 1            | 1 |
| PL.8642      | PL.8634     | B   | 4ACSR              | 15.09Y    | 125.8        | 0.01            | 0.23                     | 3.69         | 2        | 55         | 7       | 99         | 0.00      | 0.0               | 0.808                               | 0.086 | 0    | 0          | 0            | 6 |
| 115380       | PL.8642     | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.23                     | 0.68         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 0.808                               | 0.000 | 10   | 1          | 1            | 1 |
| PL.8643      | PL.8642     | B   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.23                     | 3.02         | 2        | 45         | 6       | 99         | 0.00      | 0.0               | 0.832                               | 0.024 | 0    | 0          | 0            | 5 |
| 115387       | PL.8643     | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.23                     | 0.52         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 0.832                               | 0.000 | 8    | 1          | 1            | 1 |
| 115374       | PL.8643     | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.23                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 0.832                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.27789     | PL.8643     | B   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.23                     | 2.04         | 1        | 31         | 4       | 99         | 0.00      | 0.0               | 0.865                               | 0.033 | 0    | 0          | 0            | 3 |
| PD.64-A      | PL.27789    | B   | Closed             | 15.09Y    | 125.8        | 0.00            | 0.23                     | 2.04         | 0        | 31         | 4       | 99         | 0.00      | 0.0               | 0.865                               | 0.000 | 0    | 0          | 0            | 3 |
| PD.64-B      | PD.64-A     | B   | Closed             | 15.09Y    | 125.8        | 0.00            | 0.23                     | 2.04         | 0        | 31         | 4       | 99         | 0.00      | 0.0               | 0.865                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.27790     | PD.64-B     | B   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.23                     | 2.04         | 1        | 31         | 4       | 99         | 0.00      | 0.0               | 0.886                               | 0.021 | 0    | 0          | 0            | 3 |
| 115397       | PL.27790    | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.23                     | 0.44         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 0.886                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.8644      | PL.27790    | B   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.23                     | 1.61         | 1        | 24         | 3       | 99         | 0.00      | 0.0               | 0.951                               | 0.064 | 0    | 0          | 0            | 2 |
| 115388       | PL.8644     | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.23                     | 1.31         | 0        | 20         | 3       | 99         | 0.00      | 0.0               | 0.951                               | 0.000 | 20   | 3          | 1            | 1 |
| 1153100      | PL.8644     | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.23                     | 0.29         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 0.951                               | 0.000 | 4    | 1          | 1            | 1 |
| 115383       | PL.8634     | B   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 0.722                               | 0.000 | 9    | 1          | 1            | 1 |
| 115364       | PL.8632     | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.19                     | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 0.624                               | 0.000 | 7    | 1          | 1            | 1 |
| 1153105      | PL.8632     | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.19                     | 0.64         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 0.624                               | 0.000 | 10   | 1          | 1            | 1 |
| PL.770       | PL.36657    | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.77         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 0.584                               | 0.042 | 0    | 0          | 0            | 2 |
| PL.157       | PL.770      | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.77         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 0.604                               | 0.020 | 0    | 0          | 0            | 2 |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 114397       | PL.157      | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.17   | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 0.604                               | 0.000 | 8    | 1          | 1            | 1  |
| 114396       | PL.157      | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.17   | 0.21         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 0.604                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.8629      | PL.14833    | B   | 4ACSR              | 15.10Y    | 125.9        | 0.01            | 0.14   | 6.53         | 3        | 98         | 13      | 99         | 0.01      | 0.0               | 0.520                               | 0.076 | 0    | 0          | 0            | 10 |
| PL.8630      | PL.8629     | B   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.14   | 2.68         | 1        | 40         | 5       | 99         | 0.00      | 0.0               | 0.557                               | 0.038 | 0    | 0          | 0            | 5  |
| 1153131      | PL.8630     | B   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14   | 0.11         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 0.557                               | 0.000 | 2    | 0          | 1            | 1  |
| 1153125      | PL.8630     | B   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14   | 0.77         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 0.557                               | 0.000 | 12   | 1          | 1            | 1  |
| PL.5481      | PL.8630     | B   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.14   | 1.80         | 1        | 27         | 3       | 99         | 0.00      | 0.0               | 0.597                               | 0.040 | 0    | 0          | 0            | 3  |
| 1153133      | PL.5481     | B   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14   | 0.52         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 0.597                               | 0.000 | 8    | 1          | 1            | 1  |
| 1153121      | PL.5481     | B   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14   | 0.62         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 0.597                               | 0.000 | 9    | 1          | 1            | 1  |
| 1153130      | PL.5481     | B   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14   | 0.65         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 0.597                               | 0.000 | 10   | 1          | 1            | 1  |
| 1153132      | PL.8629     | B   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14   | 0.59         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 0.520                               | 0.000 | 9    | 1          | 1            | 1  |
| 1153140      | PL.8629     | B   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14   | 0.72         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 0.520                               | 0.000 | 11   | 1          | 1            | 1  |
| 1153118      | PL.8629     | B   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14   | 1.08         | 0        | 16         | 2       | 99         | 0.00      | 0.0               | 0.520                               | 0.000 | 16   | 2          | 1            | 1  |
| 1153129      | PL.8629     | B   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14   | 1.15         | 0        | 17         | 2       | 99         | 0.00      | 0.0               | 0.520                               | 0.000 | 17   | 2          | 1            | 1  |
| 1153124      | PL.8629     | B   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14   | 0.32         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 0.520                               | 0.000 | 5    | 1          | 1            | 1  |
| 1143167      | PL.25315    | B   | Consumer           | 15.12Y    | 126.0        | 0.00            | 0.03   | 0.60         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 0.119                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.14830     | PL.32835    | B   | 4ACSR              | 15.11Y    | 126.0        | 0.01            | 0.04   | 55.83        | 29       | 838        | 104     | 99         | 0.07      | 0.0               | 0.058                               | 0.010 | 0    | 0          | 0            | 87 |
| PD.3289      | PL.14830    | B   | 50V4E              | 15.11Y    | 126.0        | 0.00            | 0.04   | 55.83        | 0        | 838        | 104     | 99         | 0.00      | 0.0               | 0.058                               | 0.000 | 0    | 0          | 0            | 87 |
| PL.14831     | PD.3289     | B   | 4ACSR              | 15.11Y    | 125.9        | 0.02            | 0.06   | 55.83        | 29       | 838        | 104     | 99         | 0.14      | 0.0               | 0.076                               | 0.018 | 0    | 0          | 0            | 87 |
| PL.8647      | PL.14831    | B   | 4ACSR              | 15.10Y    | 125.9        | 0.07            | 0.13   | 53.38        | 28       | 801        | 99      | 99         | 0.40      | 0.1               | 0.135                               | 0.059 | 0    | 0          | 0            | 83 |
| PL.8648      | PL.8647     | B   | 4ACSR              | 15.10Y    | 125.8        | 0.08            | 0.21   | 53.38        | 28       | 800        | 99      | 99         | 0.45      | 0.1               | 0.202                               | 0.066 | 0    | 0          | 0            | 83 |
| PL.36646     | PL.8648     | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.21   | 1.18         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 0.208                               | 0.007 | 0    | 0          | 0            | 2  |
| PD.5697      | PL.36646    | B   | fuse6AMP           | 15.10Y    | 125.8        | 0.00            | 0.21   | 1.18         | 20       | 18         | 2       | 99         | 0.00      | 0.0               | 0.208                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.36647     | PD.5697     | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.21   | 1.18         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 0.240                               | 0.032 | 0    | 0          | 0            | 2  |
| 1153108      | PL.36647    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.21   | 0.40         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.240                               | 0.000 | 6    | 1          | 1            | 1  |
| 1153107      | PL.36647    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.21   | 0.77         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 0.240                               | 0.000 | 12   | 2          | 1            | 1  |
| PL.8649      | PL.8648     | B   | 4ACSR              | 15.09Y    | 125.8        | 0.03            | 0.24   | 52.21        | 27       | 782        | 96      | 99         | 0.17      | 0.0               | 0.228                               | 0.027 | 0    | 0          | 0            | 81 |
| PL.8650      | PL.8649     | B   | 4ACSR              | 15.08Y    | 125.7        | 0.06            | 0.30   | 51.35        | 26       | 769        | 94      | 99         | 0.35      | 0.0               | 0.283                               | 0.055 | 0    | 0          | 0            | 80 |
| 115376       | PL.8650     | B   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30   | 0.62         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 0.283                               | 0.000 | 9    | 1          | 1            | 1  |
| 115379       | PL.8650     | B   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30   | 0.71         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 0.283                               | 0.000 | 11   | 1          | 1            | 1  |
| PL.8651      | PL.8650     | B   | 4ACSR              | 15.08Y    | 125.6        | 0.07            | 0.36   | 50.02        | 26       | 749        | 92      | 99         | 0.38      | 0.1               | 0.347                               | 0.064 | 0    | 0          | 0            | 78 |
| PL.8652      | PL.8651     | B   | 4ACSR              | 15.07Y    | 125.6        | 0.04            | 0.41   | 48.99        | 25       | 733        | 89      | 99         | 0.24      | 0.0               | 0.390                               | 0.043 | 0    | 0          | 0            | 76 |
| 115369       | PL.8652     | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41   | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 0.390                               | 0.000 | 7    | 1          | 1            | 1  |
| 115370       | PL.8652     | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41   | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 0.390                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.8903      | PL.8652     | B   | 4ACSR              | 15.06Y    | 125.5        | 0.08            | 0.49   | 48.03        | 25       | 719        | 87      | 99         | 0.44      | 0.1               | 0.470                               | 0.080 | 0    | 0          | 0            | 74 |
| PL.8904      | PL.8903     | B   | 4ACSR              | 15.05Y    | 125.4        | 0.11            | 0.60   | 46.85        | 24       | 700        | 85      | 99         | 0.58      | 0.1               | 0.580                               | 0.111 | 0    | 0          | 0            | 72 |
| 115324       | PL.8904     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.60   | 0.91         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 0.580                               | 0.000 | 14   | 2          | 1            | 1  |
| PL.8905      | PL.8904     | B   | 4ACSR              | 15.04Y    | 125.3        | 0.06            | 0.65   | 45.94        | 24       | 686        | 83      | 99         | 0.29      | 0.0               | 0.637                               | 0.057 | 0    | 0          | 0            | 71 |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PL.8645      | PL.8905     | B   | 4ACSR              | 15.03Y    | 125.3        | 0.07            | 0.73   | 44.14        | 23       | 659        | 79   | 99      | 0.37       | 0.1               | 0.716             | 0.078          | 0          | 0            | 0  | 69   |
| PL.36640     | PL.8645     | B   | 4ACSR              | 15.03Y    | 125.2        | 0.03            | 0.76   | 43.31        | 22       | 646        | 77   | 99      | 0.16       | 0.0               | 0.751             | 0.036          | 0          | 0            | 0  | 68   |
| PL.36641     | PL.36640    | B   | 4ACSR              | 15.03Y    | 125.2        | 0.02            | 0.78   | 42.64        | 22       | 636        | 76   | 99      | 0.09       | 0.0               | 0.772             | 0.020          | 0          | 0            | 0  | 67   |
| 115372       | PL.36641    | B   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78   | 0.65         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 0.772             | 0.000          | 10         | 1            | 1  | 1    |
| PL.28944     | PL.36641    | B   | 4ACSR              | 15.02Y    | 125.1        | 0.08            | 0.86   | 41.99        | 22       | 627        | 74   | 99      | 0.40       | 0.1               | 0.866             | 0.095          | 0          | 0            | 0  | 66   |
| PD.7353-A    | PL.28944    | B   | Closed             | 15.02Y    | 125.1        | 0.00            | 0.86   | 41.99        | 0        | 626        | 74   | 99      | 0.00       | 0.0               | 0.866             | 0.000          | 0          | 0            | 0  | 66   |
| PD.7353-B    | PD.7353-A   | B   | Closed             | 15.02Y    | 125.1        | 0.00            | 0.86   | 41.99        | 0        | 626        | 74   | 99      | 0.00       | 0.0               | 0.866             | 0.000          | 0          | 0            | 0  | 66   |
| PL.36654     | PD.7353-B   | B   | 4ACSR              | 15.02Y    | 125.1        | 0.01            | 0.87   | 41.99        | 22       | 626        | 74   | 99      | 0.03       | 0.0               | 0.872             | 0.006          | 0          | 0            | 0  | 66   |
| PL.36655     | PL.36654    | B   | 4ACSR              | 15.01Y    | 125.1        | 0.01            | 0.88   | 41.99        | 22       | 626        | 74   | 99      | 0.06       | 0.0               | 0.885             | 0.013          | 0          | 0            | 0  | 66   |
| PL.29042     | PL.36655    | B   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.88   | 41.99        | 22       | 626        | 74   | 99      | 0.01       | 0.0               | 0.887             | 0.002          | 0          | 0            | 0  | 66   |
| PL.5472      | PL.29042    | B   | 4ACSR              | 15.00Y    | 125.0        | 0.11            | 0.99   | 41.23        | 21       | 615        | 73   | 99      | 0.50       | 0.1               | 1.011             | 0.124          | 0          | 0            | 0  | 64   |
| 115398       | PL.5472     | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.99   | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.011             | 0.000          | 0          | 0            | 1  | 1    |
| 1153111      | PL.5472     | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.99   | 0.15         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.011             | 0.000          | 2          | 0            | 1  | 1    |
| 1153110      | PL.5472     | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.99   | 0.12         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.011             | 0.000          | 2          | 0            | 1  | 1    |
| 115301       | PL.5472     | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.99   | 0.52         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 1.011             | 0.000          | 8          | 1            | 1  | 1    |
| PL.18307     | PL.5472     | B   | 4ACSR              | 15.00Y    | 125.0        | 0.01            | 1.00   | 40.42        | 21       | 602        | 71   | 99      | 0.03       | 0.0               | 1.020             | 0.009          | 0          | 0            | 0  | 60   |
| PD.66-A      | PL.18307    | B   | Closed             | 15.00Y    | 125.0        | 0.00            | 1.00   | 40.42        | 0        | 602        | 71   | 99      | 0.00       | 0.0               | 1.020             | 0.000          | 0          | 0            | 0  | 60   |
| PD.66-B      | PD.66-A     | B   | Closed             | 15.00Y    | 125.0        | 0.00            | 1.00   | 40.42        | 0        | 602        | 71   | 99      | 0.00       | 0.0               | 1.020             | 0.000          | 0          | 0            | 0  | 60   |
| PL.18308     | PD.66-B     | B   | 4ACSR              | 14.99Y    | 125.0        | 0.05            | 1.04   | 40.42        | 21       | 602        | 71   | 99      | 0.21       | 0.0               | 1.073             | 0.053          | 0          | 0            | 0  | 60   |
| 115363       | PL.18308    | B   | Consumer           | 14.99Y    | 125.0        | 0.00            | 1.04   | 0.91         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 1.073             | 0.000          | 14         | 2            | 1  | 1    |
| PL.18862     | PL.18308    | B   | 4ACSR              | 14.99Y    | 125.0        | 0.00            | 1.04   | 4.11         | 2        | 61         | 8    | 99      | 0.00       | 0.0               | 1.083             | 0.010          | 0          | 0            | 0  | 7    |
| PD.880       | PL.18862    | B   | fuse6AMP           | 14.99Y    | 125.0        | 0.00            | 1.04   | 4.11         | 70       | 61         | 8    | 99      | 0.00       | 0.0               | 1.083             | 0.000          | 0          | 0            | 0  | 7    |
| PL.18863     | PD.880      | B   | 4ACSR              | 14.99Y    | 125.0        | 0.00            | 1.05   | 4.11         | 2        | 61         | 8    | 99      | 0.00       | 0.0               | 1.108             | 0.025          | 0          | 0            | 0  | 7    |
| PL.21925     | PL.18863    | B   | 4ACSR              | 14.99Y    | 125.0        | 0.00            | 1.05   | 1.40         | 1        | 21         | 3    | 99      | 0.00       | 0.0               | 1.139             | 0.031          | 0          | 0            | 0  | 2    |
| 115354       | PL.21925    | B   | Consumer           | 14.99Y    | 125.0        | 0.00            | 1.05   | 0.89         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 1.139             | 0.000          | 13         | 2            | 1  | 1    |
| 115343       | PL.21925    | B   | Consumer           | 14.99Y    | 125.0        | 0.00            | 1.05   | 0.51         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 1.139             | 0.000          | 8          | 1            | 1  | 1    |
| PL.8906      | PL.18863    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.01            | 1.05   | 2.71         | 1        | 40         | 5    | 99      | 0.00       | 0.0               | 1.199             | 0.090          | 0          | 0            | 0  | 5    |
| PL.21924     | PL.8906     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.05   | 0.29         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.250             | 0.051          | 0          | 0            | 0  | 1    |
| 115347       | PL.21924    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.05   | 0.29         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.250             | 0.000          | 4          | 1            | 1  | 1    |
| PL.8907      | PL.8906     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.06   | 1.63         | 1        | 24         | 3    | 99      | 0.00       | 0.0               | 1.297             | 0.098          | 0          | 0            | 0  | 3    |
| 115325       | PL.8907     | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06   | 0.66         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 1.297             | 0.000          | 10         | 1            | 1  | 1    |
| PL.5471      | PL.8907     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.06   | 0.97         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 1.349             | 0.052          | 0          | 0            | 0  | 2    |
| 115362       | PL.5471     | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06   | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.349             | 0.000          | 1          | 0            | 1  | 1    |
| 115358       | PL.5471     | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06   | 0.88         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 1.349             | 0.000          | 13         | 2            | 1  | 1    |
| 115373       | PL.8906     | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.05   | 0.79         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 1.199             | 0.000          | 12         | 2            | 1  | 1    |
| PL.28086     | PL.18308    | B   | 4ACSR              | 14.99Y    | 125.0        | 0.00            | 1.05   | 26.91        | 14       | 401        | 45   | 99      | 0.01       | 0.0               | 1.078             | 0.005          | 0          | 0            | 0  | 38   |
| PD.3303      | PL.28086    | B   | 35L                | 14.99Y    | 125.0        | 0.00            | 1.05   | 26.91        | 77       | 401        | 45   | 99      | 0.00       | 0.0               | 1.078             | 0.000          | 0          | 0            | 0  | 38   |
| PL.28087     | PD.3303     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.07            | 1.12   | 26.91        | 14       | 401        | 45   | 99      | 0.22       | 0.1               | 1.208             | 0.130          | 0          | 0            | 0  | 38   |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.36726     | PL.28087    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.12   | 1.67         | 1        | 25         | 3    | 99      | 0.00       | 0.0               | 1.212                               | 0.005 | 0    | 0          | 0            | 2         |
| PD.5724      | PL.36726    | B   | fuse6AMP           | 14.99Y    | 124.9        | 0.00            | 1.12   | 1.67         | 29       | 25         | 3    | 99      | 0.00       | 0.0               | 1.212                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.36727     | PD.5724     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.12   | 1.67         | 1        | 25         | 3    | 99      | 0.00       | 0.0               | 1.264                               | 0.052 | 0    | 0          | 0            | 2         |
| 115371       | PL.36727    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.12   | 0.84         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 1.264                               | 0.000 | 12   | 2          | 1            | 1         |
| 115350       | PL.36727    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.12   | 0.84         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 1.264                               | 0.000 | 12   | 2          | 1            | 1         |
| PL.8908      | PL.28087    | B   | 4ACSR              | 14.98Y    | 124.8        | 0.05            | 1.17   | 25.24        | 13       | 376        | 41   | 99      | 0.14       | 0.0               | 1.303                               | 0.095 | 0    | 0          | 0            | 36        |
| PL.36729     | PL.8908     | B   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.17   | 3.58         | 2        | 53         | 7    | 99      | 0.00       | 0.0               | 1.309                               | 0.006 | 0    | 0          | 0            | 5         |
| PD.5725      | PL.36729    | B   | fuse6AMP           | 14.98Y    | 124.8        | 0.00            | 1.17   | 3.58         | 61       | 53         | 7    | 99      | 0.00       | 0.0               | 1.309                               | 0.000 | 0    | 0          | 0            | 5         |
| PL.36728     | PD.5725     | B   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.17   | 3.58         | 2        | 53         | 7    | 99      | 0.00       | 0.0               | 1.342                               | 0.033 | 0    | 0          | 0            | 5         |
| 115316       | PL.36728    | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.17   | 0.72         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 1.342                               | 0.000 | 11   | 1          | 1            | 1         |
| 1153106      | PL.36728    | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.17   | 0.65         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 1.342                               | 0.000 | 10   | 1          | 1            | 1         |
| PL.22404     | PL.36728    | B   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.18   | 2.21         | 1        | 33         | 4    | 99      | 0.00       | 0.0               | 1.435                               | 0.093 | 0    | 0          | 0            | 3         |
| PL.21932     | PL.22404    | B   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.18   | 1.39         | 1        | 21         | 3    | 99      | 0.00       | 0.0               | 1.498                               | 0.063 | 0    | 0          | 0            | 2         |
| 115352       | PL.21932    | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.18   | 0.69         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 1.498                               | 0.000 | 10   | 1          | 1            | 1         |
| PL.21931     | PL.21932    | B   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.18   | 0.70         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 1.529                               | 0.031 | 0    | 0          | 0            | 1         |
| 115315       | PL.21931    | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.18   | 0.70         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 1.529                               | 0.000 | 10   | 1          | 1            | 1         |
| 115311       | PL.22404    | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.18   | 0.82         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 1.435                               | 0.000 | 12   | 2          | 1            | 1         |
| PL.18313     | PL.8908     | B   | 4ACSR              | 14.97Y    | 124.8        | 0.05            | 1.23   | 21.66        | 11       | 323        | 34   | 99      | 0.13       | 0.0               | 1.423                               | 0.120 | 0    | 0          | 0            | 31        |
| PL.18314     | PL.18313    | B   | 4ACSR              | 14.97Y    | 124.8        | 0.01            | 1.23   | 21.66        | 11       | 322        | 34   | 99      | 0.02       | 0.0               | 1.436                               | 0.013 | 0    | 0          | 0            | 31        |
| PL.8909      | PL.18314    | B   | 4ACSR              | 14.97Y    | 124.7        | 0.03            | 1.26   | 19.20        | 10       | 286        | 29   | 99      | 0.06       | 0.0               | 1.508                               | 0.072 | 0    | 0          | 0            | 29        |
| PL.36732     | PL.8909     | B   | 4ACSR              | 14.97Y    | 124.7        | 0.00            | 1.26   | 1.63         | 1        | 24         | 3    | 99      | 0.00       | 0.0               | 1.517                               | 0.009 | 0    | 0          | 0            | 2         |
| PD.5726      | PL.36732    | B   | fuse6AMP           | 14.97Y    | 124.7        | 0.00            | 1.26   | 1.63         | 28       | 24         | 3    | 99      | 0.00       | 0.0               | 1.517                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.36733     | PD.5726     | B   | 4ACSR              | 14.97Y    | 124.7        | 0.00            | 1.26   | 1.63         | 1        | 24         | 3    | 99      | 0.00       | 0.0               | 1.589                               | 0.072 | 0    | 0          | 0            | 2         |
| 115341       | PL.36733    | B   | Consumer           | 14.97Y    | 124.7        | 0.00            | 1.26   | 1.54         | 0        | 23         | 3    | 99      | 0.00       | 0.0               | 1.589                               | 0.000 | 23   | 3          | 1            | 1         |
| 115368       | PL.36733    | B   | Consumer           | 14.97Y    | 124.7        | 0.00            | 1.26   | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.589                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.5482      | PL.8909     | B   | 4ACSR              | 14.97Y    | 124.7        | 0.00            | 1.26   | 0.56         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 1.508                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.36735     | PL.5482     | B   | 4ACSR              | 14.97Y    | 124.7        | 0.00            | 1.26   | 0.54         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 1.514                               | 0.006 | 0    | 0          | 0            | 1         |
| PD.5727      | PL.36735    | B   | fuse6AMP           | 14.97Y    | 124.7        | 0.00            | 1.26   | 0.54         | 9        | 8          | 1    | 99      | 0.00       | 0.0               | 1.514                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.36734     | PD.5727     | B   | 4ACSR              | 14.97Y    | 124.7        | 0.00            | 1.26   | 0.54         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 1.591                               | 0.077 | 0    | 0          | 0            | 1         |
| 115201       | PL.36734    | B   | Consumer           | 14.97Y    | 124.7        | 0.00            | 1.26   | 0.54         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 1.591                               | 0.000 | 8    | 1          | 1            | 1         |
| 1153128      | PL.5482     | B   | Consumer           | 14.97Y    | 124.7        | 0.00            | 1.26   | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.508                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.8910      | PL.8909     | B   | 4ACSR              | 14.96Y    | 124.7        | 0.04            | 1.30   | 17.00        | 9        | 253        | 25   | 100     | 0.08       | 0.0               | 1.626                               | 0.119 | 0    | 0          | 0            | 25        |
| 115313       | PL.8910     | B   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.30   | 1.19         | 0        | 18         | 2    | 99      | 0.00       | 0.0               | 1.626                               | 0.000 | 18   | 2          | 1            | 1         |
| PL.5476      | PL.8910     | B   | 4ACSR              | 14.96Y    | 124.7        | 0.02            | 1.32   | 15.82        | 8        | 236        | 23   | 100     | 0.03       | 0.0               | 1.675                               | 0.048 | 0    | 0          | 0            | 24        |
| PL.5477      | PL.5476     | B   | 4ACSR              | 14.96Y    | 124.7        | 0.02            | 1.34   | 15.11        | 8        | 225        | 21   | 100     | 0.04       | 0.0               | 1.739                               | 0.065 | 0    | 0          | 0            | 23        |
| PL.32        | PL.5477     | B   | 4ACSR              | 14.95Y    | 124.6        | 0.04            | 1.38   | 13.50        | 7        | 201        | 18   | 100     | 0.06       | 0.0               | 1.872                               | 0.132 | 0    | 0          | 0            | 20        |
| PL.5485      | PL.32       | B   | 1/0EPRJCN          | 14.95Y    | 124.6        | 0.01            | 1.39   | 13.50        | 7        | 201        | 18   | 100     | 0.02       | 0.0               | 1.961                               | 0.090 | 0    | 0          | 0            | 20        |
| 1152014      | PL.5485     | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.39   | 1.07         | 0        | 16         | 2    | 99      | 0.00       | 0.0               | 1.961                               | 0.000 | 16   | 2          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 115203       | PL.5485     | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.961                               | 0.000 | 8    | 1          | 1            | 1  |
| 1152010      | PL.5485     | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.84         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.961                               | 0.000 | 12   | 2          | 1            | 1  |
| PL.5486      | PL.5485     | B   | 1/0EPRJCN          | 14.95Y    | 124.6        | 0.01            | 1.40                     | 11.07        | 6        | 165        | 15      | 100        | 0.01      | 0.0               | 2.030                               | 0.069 | 0    | 0          | 0            | 17 |
| PL.27660     | PL.5486     | B   | 1/0EPRJCN          | 14.95Y    | 124.6        | 0.00            | 1.40                     | 3.13         | 2        | 47         | 5       | 99         | 0.00      | 0.0               | 2.069                               | 0.039 | 0    | 0          | 0            | 6  |
| 1152013      | PL.27660    | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.68         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.069                               | 0.000 | 10   | 1          | 1            | 1  |
| 1152011      | PL.27660    | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.66         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.069                               | 0.000 | 10   | 1          | 1            | 1  |
| 1152012      | PL.27660    | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.72         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 2.069                               | 0.000 | 11   | 1          | 1            | 1  |
| 1152016      | PL.27660    | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.08         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.069                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.27661     | PL.27660    | B   | 1/0EPRJCN          | 14.95Y    | 124.6        | 0.00            | 1.40                     | 1.00         | 1        | 15         | 1       | 100        | 0.00      | 0.0               | 2.103                               | 0.034 | 0    | 0          | 0            | 2  |
| 1152015      | PL.27661    | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.25         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 2.103                               | 0.000 | 4    | 0          | 1            | 1  |
| 115208       | PL.27661    | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.75         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 2.103                               | 0.000 | 11   | 1          | 1            | 1  |
| PL.8913      | PL.5486     | B   | 1/0EPRJCN          | 14.95Y    | 124.6        | 0.00            | 1.40                     | 7.94         | 4        | 118        | 12      | 99         | 0.00      | 0.0               | 2.049                               | 0.019 | 0    | 0          | 0            | 11 |
| PL.8914      | PL.8913     | B   | 1/0EPRJCN          | 14.95Y    | 124.6        | 0.00            | 1.40                     | 6.06         | 3        | 90         | 9       | 100        | 0.00      | 0.0               | 2.077                               | 0.028 | 0    | 0          | 0            | 8  |
| PL.8911      | PL.8914     | B   | 1/0EPRJCN          | 14.95Y    | 124.6        | 0.00            | 1.40                     | 6.07         | 3        | 90         | 9       | 100        | 0.00      | 0.0               | 2.106                               | 0.030 | 0    | 0          | 0            | 8  |
| PL.8912      | PL.8911     | B   | 1/0EPRJCN          | 14.95Y    | 124.6        | 0.00            | 1.40                     | 4.49         | 2        | 67         | 7       | 99         | 0.00      | 0.0               | 2.163                               | 0.057 | 0    | 0          | 0            | 6  |
| 114201       | PL.8912     | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.97         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 2.163                               | 0.000 | 14   | 2          | 1            | 1  |
| 1142005      | PL.8912     | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.68         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.163                               | 0.000 | 10   | 1          | 1            | 1  |
| 114202       | PL.8912     | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.55         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.163                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.5368      | PL.8912     | B   | 1/0EPRJCN          | 14.95Y    | 124.6        | 0.00            | 1.41                     | 2.30         | 1        | 34         | 4       | 99         | 0.00      | 0.0               | 2.198                               | 0.035 | 0    | 0          | 0            | 3  |
| 1142009      | PL.5368     | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.198                               | 0.000 | 0    | 0          | 0            | 0  |
| 114203       | PL.5368     | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.78         | 0        | 12         | 1       | 100        | 0.00      | 0.0               | 2.198                               | 0.000 | 12   | 1          | 1            | 1  |
| 1142007      | PL.5368     | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.60         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.198                               | 0.000 | 9    | 1          | 1            | 1  |
| 1142006      | PL.5368     | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41                     | 0.93         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 2.198                               | 0.000 | 14   | 2          | 1            | 1  |
| PL.164       | PL.8911     | B   | 1/0EPRJCN          | 14.95Y    | 124.6        | 0.00            | 1.40                     | 1.58         | 1        | 23         | 3       | 99         | 0.00      | 0.0               | 2.128                               | 0.021 | 0    | 0          | 0            | 2  |
| 1142004      | PL.164      | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.96         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 2.128                               | 0.000 | 14   | 2          | 1            | 1  |
| 1142008      | PL.164      | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.63         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.128                               | 0.000 | 9    | 1          | 1            | 1  |
| 115209       | PL.8913     | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 1.14         | 0        | 17         | 2       | 99         | 0.00      | 0.0               | 2.049                               | 0.000 | 17   | 2          | 1            | 1  |
| 115204       | PL.8913     | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.72         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 2.049                               | 0.000 | 11   | 1          | 1            | 1  |
| 1152017      | PL.8913     | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.049                               | 0.000 | 0    | 0          | 1            | 1  |
| 115304       | PL.5477     | B   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.34                     | 0.65         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 1.739                               | 0.000 | 10   | 1          | 1            | 1  |
| 115305       | PL.5477     | B   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.34                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.739                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.36736     | PL.5477     | B   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.34                     | 0.97         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 1.747                               | 0.008 | 0    | 0          | 0            | 2  |
| PD.5728      | PL.36736    | B   | fuse6AMP           | 14.96Y    | 124.7        | 0.00            | 1.34                     | 0.97         | 17       | 14         | 2       | 99         | 0.00      | 0.0               | 1.747                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.36737     | PD.5728     | B   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.34                     | 0.97         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 1.799                               | 0.052 | 0    | 0          | 0            | 2  |
| 115321       | PL.36737    | B   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.34                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.799                               | 0.000 | 7    | 1          | 1            | 1  |
| 115357       | PL.36737    | B   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.34                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.799                               | 0.000 | 7    | 1          | 1            | 1  |
| 115345       | PL.5476     | B   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.71         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 1.675                               | 0.000 | 10   | 1          | 1            | 1  |
| PL.36730     | PL.18314    | B   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.23                     | 2.46         | 1        | 37         | 5       | 99         | 0.00      | 0.0               | 1.441                               | 0.005 | 0    | 0          | 0            | 2  |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PD.881       | PL.36730    | B   | fuse6AMP           | 14.97Y    | 124.8        | 0.00            | 1.23                     | 2.46         | 42       | 37         | 5    | 99      | 0.00       | 0.0               | 1.441                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.36731     | PD.881      | B   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.23                     | 2.46         | 1        | 37         | 5    | 99      | 0.00       | 0.0               | 1.470                               | 0.029 | 0    | 0          | 0            | 2         |
| PL.21650     | PL.36731    | B   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.24                     | 1.57         | 1        | 23         | 3    | 99      | 0.00       | 0.0               | 1.578                               | 0.109 | 0    | 0          | 0            | 1         |
| PL.21929     | PL.21650    | B   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.24                     | 1.57         | 1        | 23         | 3    | 99      | 0.00       | 0.0               | 1.621                               | 0.043 | 0    | 0          | 0            | 1         |
| 115202       | PL.21929    | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.24                     | 1.57         | 0        | 23         | 3    | 99      | 0.00       | 0.0               | 1.621                               | 0.000 | 23   | 3          | 1            | 1         |
| PL.22131     | PL.36731    | B   | 4ACSR              | 14.97Y    | 124.8        | 0.00            | 1.23                     | 0.89         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 1.523                               | 0.054 | 0    | 0          | 0            | 1         |
| 115394       | PL.22131    | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.23                     | 0.89         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 1.523                               | 0.000 | 13   | 2          | 1            | 1         |
| PL.5470      | PL.18308    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.03            | 1.07                     | 8.49         | 4        | 126        | 16   | 99      | 0.02       | 0.0               | 1.212                               | 0.139 | 0    | 0          | 0            | 14        |
| PL.36691     | PL.5470     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.07                     | 0.58         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 1.222                               | 0.010 | 0    | 0          | 0            | 1         |
| PD.5707      | PL.36691    | B   | fuse6AMP           | 14.99Y    | 124.9        | 0.00            | 1.07                     | 0.58         | 10       | 9          | 1    | 99      | 0.00       | 0.0               | 1.222                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.36692     | PD.5707     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.07                     | 0.58         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 1.299                               | 0.077 | 0    | 0          | 0            | 1         |
| 115306       | PL.36692    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.07                     | 0.58         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 1.299                               | 0.000 | 9    | 1          | 1            | 1         |
| 115323       | PL.5470     | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.07                     | 1.69         | 0        | 25         | 3    | 99      | 0.00       | 0.0               | 1.212                               | 0.000 | 25   | 3          | 1            | 1         |
| PL.8915      | PL.5470     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.07                     | 6.22         | 3        | 93         | 12   | 99      | 0.00       | 0.0               | 1.214                               | 0.002 | 0    | 0          | 0            | 12        |
| PL.36694     | PL.8915     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.07                     | 0.84         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 1.231                               | 0.017 | 0    | 0          | 0            | 1         |
| PD.5708      | PL.36694    | B   | fuse6AMP           | 14.99Y    | 124.9        | 0.00            | 1.07                     | 0.84         | 14       | 13         | 2    | 99      | 0.00       | 0.0               | 1.231                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.36693     | PD.5708     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.07                     | 0.84         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 1.281                               | 0.050 | 0    | 0          | 0            | 1         |
| 115322       | PL.36693    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.07                     | 0.84         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 1.281                               | 0.000 | 13   | 2          | 1            | 1         |
| PL.8916      | PL.8915     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.01            | 1.08                     | 5.38         | 3        | 80         | 10   | 99      | 0.00       | 0.0               | 1.284                               | 0.070 | 0    | 0          | 0            | 11        |
| 115348       | PL.8916     | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.61         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 1.284                               | 0.000 | 9    | 1          | 1            | 1         |
| PL.20829     | PL.8916     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 4.77         | 2        | 71         | 9    | 99      | 0.00       | 0.0               | 1.294                               | 0.010 | 0    | 0          | 0            | 10        |
| PD.3504      | PL.20829    | B   | 35E                | 14.99Y    | 124.9        | 0.00            | 1.08                     | 4.77         | 14       | 71         | 9    | 99      | 0.00       | 0.0               | 1.294                               | 0.000 | 0    | 0          | 0            | 10        |
| PL.22252     | PD.3504     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.01            | 1.09                     | 4.77         | 2        | 71         | 9    | 99      | 0.01       | 0.0               | 1.392                               | 0.099 | 0    | 0          | 0            | 10        |
| PL.21651     | PL.22252    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.09                     | 4.77         | 2        | 71         | 9    | 99      | 0.00       | 0.0               | 1.403                               | 0.011 | 0    | 0          | 0            | 10        |
| PL.36689     | PL.21651    | B   | 2ACSR              | 14.99Y    | 124.9        | 0.00            | 1.09                     | 0.93         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 1.417                               | 0.013 | 0    | 0          | 0            | 1         |
| PD.5706      | PL.36689    | B   | fuse6AMP           | 14.99Y    | 124.9        | 0.00            | 1.09                     | 0.93         | 16       | 14         | 2    | 99      | 0.00       | 0.0               | 1.417                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.36690     | PD.5706     | B   | 2ACSR              | 14.99Y    | 124.9        | 0.00            | 1.09                     | 0.93         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 1.436                               | 0.019 | 0    | 0          | 0            | 1         |
| 115332       | PL.36690    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.09                     | 0.93         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 1.436                               | 0.000 | 14   | 2          | 1            | 1         |
| PL.14898     | PL.21651    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.09                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.411                               | 0.008 | 0    | 0          | 0            | 0         |
| PL.45482     | PL.14898    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.09                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.429                               | 0.018 | 0    | 0          | 0            | 0         |
| PD.68-B      | PL.45482    | B   | Open               | 14.99Y    | 124.9        | 0.00            | 1.09                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.429                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.36686     | PL.21651    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.09                     | 3.84         | 2        | 57         | 7    | 99      | 0.00       | 0.0               | 1.411                               | 0.008 | 0    | 0          | 0            | 9         |
| PL.45483     | PL.36686    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.09                     | 3.84         | 2        | 57         | 7    | 99      | 0.00       | 0.0               | 1.421                               | 0.010 | 0    | 0          | 0            | 9         |
| PD.5705      | PL.45483    | B   | fuse6AMP           | 14.99Y    | 124.9        | 0.00            | 1.09                     | 3.84         | 66       | 57         | 7    | 99      | 0.00       | 0.0               | 1.421                               | 0.000 | 0    | 0          | 0            | 9         |
| PL.45484     | PD.5705     | B   | 4ACSR              | 14.98Y    | 124.9        | 0.03            | 1.13                     | 3.84         | 2        | 57         | 7    | 99      | 0.01       | 0.0               | 1.844                               | 0.423 | 0    | 0          | 0            | 9         |
| PL.25375     | PL.45484    | B   | 4ACSR              | 14.98Y    | 124.9        | 0.02            | 1.15                     | 3.84         | 2        | 57         | 7    | 99      | 0.01       | 0.0               | 2.100                               | 0.256 | 0    | 0          | 0            | 8         |
| PL.25376     | PL.25375    | B   | 4ACSR              | 14.98Y    | 124.8        | 0.01            | 1.15                     | 3.61         | 2        | 54         | 7    | 99      | 0.00       | 0.0               | 2.184                               | 0.084 | 0    | 0          | 0            | 7         |
| PL.21875     | PL.25376    | B   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.15                     | 0.54         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 2.206                               | 0.022 | 0    | 0          | 0            | 2         |

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes a sub-header for Units Displayed In Volts and Base Voltage:120.0-



Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 1 (THRFKRS1) beginning with Device PD.3879.

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |      |
| PL.36497     | PL.36496    | A   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | -0.01                    | 0.70         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 1.237             | 0.065 | 0          | 0            | 0    | 2    |
| 114402       | PL.36497    | A   | Consumer           | 15.12Y    | 126.0        | 0.00            | -0.01                    | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.237             | 0.000 | 0          | 0            | 1    | 1    |
| PL.5360      | PL.36497    | A   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | -0.01                    | 0.70         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 1.255             | 0.018 | 0          | 0            | 0    | 1    |
| PL.165       | PL.5360     | A   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | -0.01                    | 0.70         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 1.332             | 0.077 | 0          | 0            | 0    | 1    |
| 114406       | PL.165      | A   | Consumer           | 15.12Y    | 126.0        | 0.00            | -0.01                    | 0.70         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 1.332             | 0.000 | 11         | 1            | 1    | 1    |
| PL.25525     | PL.25524    | A   | 1/0ACSR            | 15.12Y    | 126.0        | -0.00           | -0.01                    | 26.43        | 8        | 395        | 60        | 99         | 0.77      | 0.0               | 1.229             | 0.109 | 0          | 0            | 0    | 58   |
|              |             | B   |                    | 15.07Y    | 125.6        | 0.04            | 0.44                     | 30.29        | 9        | 452        | 62        | 99         |           |                   | 0                 | 0     | 0          | 0            | 66   |      |
|              |             | C   |                    | 15.01Y    | 125.1        | 0.08            | 0.93                     | 77.39        | 23       | 1148       | 182       | 99         |           |                   | 0                 | 0     | 0          | 0            | 237  |      |
| PL.25526     | PL.25525    | A   | 1/0ACSR            | 15.12Y    | 126.0        | -0.00           | -0.01                    | 25.70        | 8        | 384        | 58        | 99         | 0.52      | 0.0               | 1.304             | 0.075 | 0          | 0            | 0    | 57   |
|              |             | B   |                    | 15.06Y    | 125.5        | 0.03            | 0.47                     | 30.29        | 9        | 452        | 62        | 99         |           |                   | 0                 | 0     | 0          | 0            | 66   |      |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.06            | 0.98                     | 76.90        | 23       | 1140       | 180       | 99         |           |                   | 0                 | 0     | 0          | 0            | 235  |      |
| 113306       | PL.25526    | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.304             | 0.000 | 0          | 0            | 0    | 0    |
| 113301       | PL.25526    | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.17         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 1.304             | 0.000 | 2          | 0            | 1    | 1    |
| 113308       | PL.25526    | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.304             | 0.000 | 0          | 0            | 1    | 1    |
| PL.5361      | PL.25526    | A   | 1/0ACSR            | 15.12Y    | 126.0        | -0.00           | -0.02                    | 25.70        | 8        | 384        | 58        | 99         | 1.21      | 0.1               | 1.478             | 0.174 | 0          | 0            | 0    | 57   |
|              |             | B   |                    | 15.06Y    | 125.5        | 0.06            | 0.53                     | 30.12        | 9        | 449        | 62        | 99         |           |                   | 0                 | 0     | 0          | 0            | 64   |      |
|              |             | C   |                    | 14.99Y    | 124.9        | 0.13            | 1.11                     | 76.90        | 23       | 1140       | 180       | 99         |           |                   | 0                 | 0     | 0          | 0            | 235  |      |
| PL.15        | PL.5361     | A   | 1/0ACSR            | 15.12Y    | 126.0        | -0.01           | -0.03                    | 25.70        | 8        | 384        | 58        | 99         | 2.39      | 0.1               | 1.822             | 0.344 | 0          | 0            | 0    | 57   |
|              |             | B   |                    | 15.04Y    | 125.3        | 0.13            | 0.66                     | 30.12        | 9        | 449        | 62        | 99         |           |                   | 0                 | 0     | 0          | 0            | 64   |      |
|              |             | C   |                    | 14.96Y    | 124.6        | 0.25            | 1.36                     | 76.90        | 23       | 1139       | 178       | 99         |           |                   | 0                 | 0     | 0          | 0            | 235  |      |
| PL.18        | PL.15       | A   | 1/0ACSR            | 15.12Y    | 126.0        | -0.01           | -0.03                    | 25.70        | 8        | 384        | 58        | 99         | 2.00      | 0.1               | 2.109             | 0.287 | 0          | 0            | 0    | 57   |
|              |             | B   |                    | 15.03Y    | 125.2        | 0.10            | 0.76                     | 30.12        | 9        | 449        | 62        | 99         |           |                   | 0                 | 0     | 0          | 0            | 64   |      |
|              |             | C   |                    | 14.93Y    | 124.4        | 0.21            | 1.58                     | 76.90        | 23       | 1137       | 176       | 99         |           |                   | 0                 | 0     | 0          | 0            | 235  |      |
| PL.25527     | PL.18       | A   | 1/0ACSR            | 15.12Y    | 126.0        | -0.00           | -0.04                    | 25.70        | 8        | 384        | 58        | 99         | 1.04      | 0.1               | 2.259             | 0.149 | 0          | 0            | 0    | 57   |
|              |             | B   |                    | 15.02Y    | 125.2        | 0.05            | 0.82                     | 30.12        | 9        | 448        | 62        | 99         |           |                   | 0                 | 0     | 0          | 0            | 64   |      |
|              |             | C   |                    | 14.92Y    | 124.3        | 0.11            | 1.69                     | 76.90        | 23       | 1135       | 174       | 99         |           |                   | 0                 | 0     | 0          | 0            | 235  |      |
| PL.28247     | PL.25527    | A   | 4ACSR              | 15.12Y    | 126.0        | -0.00           | -0.04                    | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.277             | 0.019 | 0          | 0            | 0    | 1    |
| PD.790       | PL.28247    | A   | fuse6AMP           | 15.12Y    | 126.0        | 0.00            | -0.04                    | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.277             | 0.000 | 0          | 0            | 0    | 1    |
| PL.28248     | PD.790      | A   | 4ACSR              | 15.12Y    | 126.0        | -0.00           | -0.04                    | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.336             | 0.059 | 0          | 0            | 0    | 1    |
| 112402       | PL.28248    | A   | Consumer           | 15.12Y    | 126.0        | 0.00            | -0.04                    | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.336             | 0.000 | 0          | 0            | 1    | 1    |
| PL.16808     | PL.25527    | A   | 1/0ACSR            | 15.12Y    | 126.0        | -0.00           | -0.04                    | 25.70        | 8        | 384        | 58        | 99         | 0.85      | 0.0               | 2.380             | 0.122 | 0          | 0            | 0    | 56   |
|              |             | B   |                    | 15.02Y    | 125.1        | 0.04            | 0.86                     | 30.12        | 9        | 448        | 62        | 99         |           |                   | 0                 | 0     | 0          | 0            | 64   |      |
|              |             | C   |                    | 14.91Y    | 124.2        | 0.09            | 1.77                     | 76.90        | 23       | 1134       | 173       | 99         |           |                   | 0                 | 0     | 0          | 0            | 235  |      |
| PD.44-A      | PL.16808    | A   | Closed             | 15.12Y    | 126.0        | 0.00            | -0.04                    | 25.70        | 0        | 384        | 58        | 99         | 0.00      | 0.0               | 2.380             | 0.000 | 0          | 0            | 0    | 56   |
|              |             | B   |                    | 15.02Y    | 125.1        | 0.00            | 0.86                     | 30.12        | 0        | 448        | 62        | 99         |           |                   | 0                 | 0     | 0          | 0            | 64   |      |
|              |             | C   |                    | 14.91Y    | 124.2        | 0.00            | 1.77                     | 76.90        | 0        | 1133       | 172       | 99         |           |                   | 0                 | 0     | 0          | 0            | 235  |      |
| PD.44-B      | PD.44-A     | A   | Closed             | 15.12Y    | 126.0        | 0.00            | -0.04                    | 25.70        | 0        | 384        | 58        | 99         | 0.00      | 0.0               | 2.380             | 0.000 | 0          | 0            | 0    | 56   |
|              |             | B   |                    | 15.02Y    | 125.1        | 0.00            | 0.86                     | 30.12        | 0        | 448        | 62        | 99         |           |                   | 0                 | 0     | 0          | 0            | 64   |      |
|              |             | C   |                    | 14.91Y    | 124.2        | 0.00            | 1.77                     | 76.90        | 0        | 1133       | 172       | 99         |           |                   | 0                 | 0     | 0          | 0            | 235  |      |
| PL.16809     | PD.44-B     | A   | 1/0ACSR            | 15.12Y    | 126.0        | -0.00           | -0.04                    | 25.70        | 8        | 384        | 58        | 99         | 0.34      | 0.0               | 2.428             | 0.048 | 0          | 0            | 0    | 56   |
|              |             | B   |                    | 15.01Y    | 125.1        | 0.02            | 0.88                     | 30.12        | 9        | 448        | 62        | 99         |           |                   | 0                 | 0     | 0          | 0            | 64   |      |
|              |             | C   |                    | 14.90Y    | 124.2        | 0.04            | 1.81                     | 76.90        | 23       | 1133       | 172       | 99         |           |                   | 0                 | 0     | 0          | 0            | 235  |      |
| PL.16805     | PL.16809    | B   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.88                     | 9.58         | 5        | 143        | 19        | 99         | 0.00      | 0.0               | 2.436             | 0.007 | 0          | 0            | 0    | 16   |
| PD.3288      | PL.16805    | B   | 35V4E              | 15.01Y    | 125.1        | 0.00            | 0.88                     | 9.58         | 27       | 143        | 19        | 99         | 0.00      | 0.0               | 2.436             | 0.000 | 0          | 0            | 0    | 16   |
| PL.16806     | PD.3288     | B   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.88                     | 9.58         | 5        | 143        | 19        | 99         | 0.00      | 0.0               | 2.446             | 0.010 | 0          | 0            | 0    | 16   |
| C PD.45      | PL.16806    | B   | fuse6AMP           | 15.01Y    | 125.1        | 0.00            | 0.88                     | 9.58         | 164      | 143        | 19        | 99         | 0.00      | 0.0               | 2.446             | 0.000 | 0          | 0            | 0    | 16 C |
| PL.16807     | PD.45       | B   | 4ACSR              | 15.01Y    | 125.1        | 0.01            | 0.89                     | 9.58         | 5        | 143        | 19        | 99         | 0.01      | 0.0               | 2.486             | 0.040 | 0          | 0            | 0    | 16   |
| PL.5341      | PL.16807    | B   | 4ACSR              | 15.01Y    | 125.1        | 0.03            | 0.92                     | 9.57         | 5        | 142        | 19        | 99         | 0.03      | 0.0               | 2.630             | 0.145 | 0          | 0            | 0    | 15   |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.5339      | PL.5341     | B   | 4ACSR              | 15.01Y    | 125.1        | 0.02            | 0.94                     | 9.57         | 5        | 142        | 19   | 99      | 0.02       | 0.0               | 2.704                               | 0.074 | 0    | 0          | 0            | 15        |
| PL.5340      | PL.5339     | B   | 4ACSR              | 15.00Y    | 125.0        | 0.06            | 0.99                     | 8.94         | 5        | 133        | 17   | 99      | 0.06       | 0.0               | 2.998                               | 0.294 | 0    | 0          | 0            | 14        |
| PL.25528     | PL.5340     | B   | 4ACSR              | 15.00Y    | 125.0        | 0.01            | 1.00                     | 8.30         | 4        | 123        | 16   | 99      | 0.01       | 0.0               | 3.066                               | 0.068 | 0    | 0          | 0            | 13        |
| PL.25529     | PL.25528    | B   | 4ACSR              | 15.00Y    | 125.0        | 0.03            | 1.03                     | 7.59         | 4        | 113        | 15   | 99      | 0.02       | 0.0               | 3.247                               | 0.181 | 0    | 0          | 0            | 12        |
| PL.36510     | PL.25529    | B   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 1.03                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.252                               | 0.005 | 0    | 0          | 0            | 1         |
| PD.5652      | PL.36510    | B   | fuse6AMP           | 15.00Y    | 125.0        | 0.00            | 1.03                     | 0.44         | 8        | 7          | 1    | 99      | 0.00       | 0.0               | 3.252                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.36511     | PD.5652     | B   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 1.03                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.335                               | 0.083 | 0    | 0          | 0            | 1         |
| 112303       | PL.36511    | B   | Consumer           | 15.00Y    | 125.0        | 0.00            | 1.03                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.335                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.25530     | PL.25529    | B   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 1.03                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.593                               | 0.346 | 0    | 0          | 0            | 0         |
| PL.28303     | PL.25529    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.02            | 1.05                     | 7.15         | 4        | 106        | 14   | 99      | 0.01       | 0.0               | 3.363                               | 0.116 | 0    | 0          | 0            | 11        |
| PL.36512     | PL.28303    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.05                     | 0.52         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 3.371                               | 0.007 | 0    | 0          | 0            | 1         |
| PD.5653      | PL.36512    | B   | fuse6AMP           | 14.99Y    | 124.9        | 0.00            | 1.05                     | 0.52         | 9        | 8          | 1    | 99      | 0.00       | 0.0               | 3.371                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.36513     | PD.5653     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.05                     | 0.52         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 3.456                               | 0.086 | 0    | 0          | 0            | 1         |
| 112306       | PL.36513    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.05                     | 0.52         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 3.456                               | 0.000 | 8    | 1          | 1            | 1         |
| PL.28304     | PL.28303    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.05                     | 2.16         | 1        | 32         | 4    | 99      | 0.00       | 0.0               | 3.452                               | 0.088 | 0    | 0          | 0            | 2         |
| PL.22379     | PL.28304    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.06                     | 2.16         | 1        | 32         | 4    | 99      | 0.00       | 0.0               | 3.489                               | 0.037 | 0    | 0          | 0            | 2         |
| 112301       | PL.22379    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 1.23         | 0        | 18         | 2    | 99      | 0.00       | 0.0               | 3.489                               | 0.000 | 18   | 2          | 1            | 1         |
| PL.22380     | PL.22379    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.94         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 3.665                               | 0.176 | 0    | 0          | 0            | 1         |
| 112307       | PL.22380    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.94         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 3.665                               | 0.000 | 14   | 2          | 1            | 1         |
| PL.36514     | PL.28303    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.05                     | 4.46         | 2        | 66         | 9    | 99      | 0.00       | 0.0               | 3.371                               | 0.007 | 0    | 0          | 0            | 8         |
| PD.5654      | PL.36514    | B   | fuse6AMP           | 14.99Y    | 124.9        | 0.00            | 1.05                     | 4.46         | 76       | 66         | 9    | 99      | 0.00       | 0.0               | 3.371                               | 0.000 | 0    | 0          | 0            | 8         |
| PL.36515     | PD.5654     | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.05                     | 4.46         | 2        | 66         | 9    | 99      | 0.00       | 0.0               | 3.386                               | 0.015 | 0    | 0          | 0            | 8         |
| PL.28305     | PL.36515    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.01            | 1.06                     | 4.00         | 2        | 59         | 8    | 99      | 0.00       | 0.0               | 3.462                               | 0.076 | 0    | 0          | 0            | 7         |
| PL.28306     | PL.28305    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.53         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 3.517                               | 0.055 | 0    | 0          | 0            | 1         |
| 112318       | PL.28306    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.517                               | 0.000 | 0    | 0          | 0            | 0         |
| 112305       | PL.28306    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.53         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 3.517                               | 0.000 | 8    | 1          | 1            | 1         |
| PL.22945     | PL.28305    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.01            | 1.07                     | 3.47         | 2        | 52         | 7    | 99      | 0.01       | 0.0               | 3.655                               | 0.194 | 0    | 0          | 0            | 6         |
| PL.22946     | PL.22945    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 3.47         | 2        | 52         | 7    | 99      | 0.00       | 0.0               | 3.721                               | 0.066 | 0    | 0          | 0            | 6         |
| 112320       | PL.22946    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 1.17         | 0        | 17         | 2    | 99      | 0.00       | 0.0               | 3.721                               | 0.000 | 17   | 2          | 1            | 1         |
| 112316       | PL.22946    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.71         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 3.721                               | 0.000 | 11   | 1          | 1            | 1         |
| 112319       | PL.22946    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.721                               | 0.000 | 0    | 0          | 1            | 1         |
| 112313       | PL.22946    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.31         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 3.721                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.22942     | PL.22946    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 1.25         | 1        | 19         | 2    | 99      | 0.00       | 0.0               | 3.776                               | 0.055 | 0    | 0          | 0            | 2         |
| PL.22941     | PL.22942    | B   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.48         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.844                               | 0.068 | 0    | 0          | 0            | 1         |
| 112311       | PL.22941    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.48         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.844                               | 0.000 | 7    | 1          | 1            | 1         |
| 112314       | PL.22942    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.08                     | 0.77         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 3.776                               | 0.000 | 11   | 1          | 1            | 1         |
| 112317       | PL.36515    | B   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.05                     | 0.47         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.386                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.36508     | PL.25528    | B   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 1.00                     | 0.71         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 3.070                               | 0.004 | 0    | 0          | 0            | 1         |

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PD.5651, PL.36509, 112315, etc.

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PD.3286, PL.16802, etc.

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for various elements like PD.5263, PL.35703, etc.

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.10253     | PL.17544    | C   | 4ACSR              | 14.56Y    | 121.3        | 0.02            | 4.70   | 14.31        | 7        | 207        | 28   | 99      | 0.03       | 0.0               | 8.244                               | 0.063 | 0    | 0          | 0            | 40        |
| PL.21663     | PL.10253    | C   | 4ACSR              | 14.56Y    | 121.3        | 0.00            | 4.70   | 4.78         | 2        | 69         | 9    | 99      | 0.00       | 0.0               | 8.257                               | 0.013 | 0    | 0          | 0            | 11        |
| PD.768       | PL.21663    | C   | fuse8AMP           | 14.56Y    | 121.3        | 0.00            | 4.70   | 4.78         | 65       | 69         | 9    | 99      | 0.00       | 0.0               | 8.257                               | 0.000 | 0    | 0          | 0            | 11        |
| PL.21662     | PD.768      | C   | 4ACSR              | 14.56Y    | 121.3        | 0.00            | 4.71   | 4.78         | 2        | 69         | 9    | 99      | 0.00       | 0.0               | 8.295                               | 0.038 | 0    | 0          | 0            | 11        |
| PL.22370     | PL.21662    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.01            | 4.71   | 4.56         | 2        | 66         | 9    | 99      | 0.00       | 0.0               | 8.379                               | 0.084 | 0    | 0          | 0            | 10        |
| PL.21560     | PL.22370    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.72   | 4.56         | 2        | 66         | 9    | 99      | 0.00       | 0.0               | 8.425                               | 0.046 | 0    | 0          | 0            | 10        |
| PL.21559     | PL.21560    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.01            | 4.72   | 4.23         | 2        | 61         | 8    | 99      | 0.00       | 0.0               | 8.483                               | 0.058 | 0    | 0          | 0            | 6         |
| 111717       | PL.21559    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.72   | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.483                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.21562     | PL.21559    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.73   | 4.21         | 2        | 61         | 8    | 99      | 0.00       | 0.0               | 8.515                               | 0.032 | 0    | 0          | 0            | 5         |
| PL.22918     | PL.21562    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.73   | 0.77         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 8.611                               | 0.096 | 0    | 0          | 0            | 1         |
| 111745       | PL.22918    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.73   | 0.77         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 8.611                               | 0.000 | 11   | 1          | 1            | 1         |
| PL.21561     | PL.21562    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.73   | 3.44         | 2        | 50         | 6    | 99      | 0.00       | 0.0               | 8.557                               | 0.042 | 0    | 0          | 0            | 4         |
| 111721       | PL.21561    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.73   | 0.82         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 8.557                               | 0.000 | 12   | 2          | 1            | 1         |
| 111731       | PL.21561    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.73   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.557                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.22363     | PL.21561    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.73   | 2.63         | 1        | 38         | 5    | 99      | 0.00       | 0.0               | 8.600                               | 0.043 | 0    | 0          | 0            | 3         |
| 111728       | PL.22363    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.73   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.600                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.22677     | PL.22363    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.73   | 2.63         | 1        | 38         | 5    | 99      | 0.00       | 0.0               | 8.644                               | 0.044 | 0    | 0          | 0            | 3         |
| PL.22365     | PL.22677    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.73   | 2.63         | 1        | 38         | 5    | 99      | 0.00       | 0.0               | 8.648                               | 0.004 | 0    | 0          | 0            | 3         |
| PL.22364     | PL.22365    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.92         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 8.753                               | 0.105 | 0    | 0          | 0            | 1         |
| 111738       | PL.22364    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.92         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 8.753                               | 0.000 | 13   | 2          | 1            | 1         |
| 111724       | PL.22364    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.753                               | 0.000 | 0    | 0          | 0            | 0         |
| 111740       | PL.22365    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.73   | 0.62         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 8.648                               | 0.000 | 9    | 1          | 1            | 1         |
| 111727       | PL.22365    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.73   | 1.09         | 0        | 16         | 2    | 99      | 0.00       | 0.0               | 8.648                               | 0.000 | 16   | 2          | 1            | 1         |
| 111722       | PL.21562    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.73   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.515                               | 0.000 | 0    | 0          | 0            | 0         |
| 111736       | PL.21560    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.72   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.425                               | 0.000 | 0    | 0          | 0            | 0         |
| 111739       | PL.21560    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.72   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.425                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.28201     | PL.21560    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.72   | 0.32         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 8.467                               | 0.042 | 0    | 0          | 0            | 3         |
| PL.22366     | PL.28201    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.72   | 0.32         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 8.512                               | 0.045 | 0    | 0          | 0            | 2         |
| PL.22367     | PL.22366    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.72   | 0.32         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 8.603                               | 0.091 | 0    | 0          | 0            | 1         |
| 112718       | PL.22367    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.72   | 0.32         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 8.603                               | 0.000 | 5    | 1          | 1            | 1         |
| 111725       | PL.22366    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.72   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.512                               | 0.000 | 0    | 0          | 1            | 1         |
| 111720       | PL.28201    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.72   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.467                               | 0.000 | 0    | 0          | 1            | 1         |
| 111744       | PL.21662    | C   | Consumer           | 14.56Y    | 121.3        | 0.00            | 4.71   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.295                               | 0.000 | 0    | 0          | 0            | 0         |
| 111748       | PL.21662    | C   | Consumer           | 14.56Y    | 121.3        | 0.00            | 4.71   | 0.22         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 8.295                               | 0.000 | 3    | 0          | 1            | 1         |
| PL.10254     | PL.10253    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.02            | 4.72   | 9.53         | 5        | 138        | 19   | 99      | 0.02       | 0.0               | 8.323                               | 0.079 | 0    | 0          | 0            | 28        |
| PL.22919     | PL.10254    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.72   | 0.09         | 0        | 1          | 1    | 71      | 0.00       | 0.0               | 8.410                               | 0.088 | 0    | 0          | 0            | 1         |
| 111746       | PL.22919    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.72   | 0.09         | 0        | 1          | 1    | 71      | 0.00       | 0.0               | 8.410                               | 0.000 | 1    | 1          | 1            | 1         |
| PL.10252     | PL.10254    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.02            | 4.73   | 9.45         | 5        | 136        | 18   | 99      | 0.02       | 0.0               | 8.398                               | 0.076 | 0    | 0          | 0            | 27        |



Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| PL.10239     | PL.10252    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.73   | 0.92         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 8.480                               | 0.081 | 0    | 0          | 0            | 2    |
| PL.10238     | PL.10239    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.92         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 8.708                               | 0.228 | 0    | 0          | 0            | 2    |
| PL.10237     | PL.10238    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 9.034                               | 0.327 | 0    | 0          | 0            | 1    |
| PL.10236     | PL.10237    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.137                               | 0.103 | 0    | 0          | 0            | 0    |
| PL.16818     | PL.10236    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.211                               | 0.074 | 0    | 0          | 0            | 0    |
| PL.16817     | PL.16818    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.231                               | 0.020 | 0    | 0          | 0            | 0    |
| PD.32-B      | PL.16817    | C   | Open               | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.231                               | 0.000 | 0    | 0          | 0            | 0    |
| 112711       | PL.10237    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.034                               | 0.000 | 0    | 0          | 0            | 0    |
| 112719       | PL.10237    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 9.034                               | 0.000 | 1    | 0          | 1            | 1    |
| 112724       | PL.10238    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.74   | 0.89         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 8.708                               | 0.000 | 13   | 2          | 1            | 1    |
| PL.22702     | PL.10239    | C   | 4ACSR              | 14.55Y    | 121.3        | 0.00            | 4.73   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.609                               | 0.129 | 0    | 0          | 0            | 0    |
| 112707       | PL.22702    | C   | Consumer           | 14.55Y    | 121.3        | 0.00            | 4.73   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.609                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.2         | PL.10252    | C   | 4ACSR              | 14.55Y    | 121.2        | 0.02            | 4.75   | 8.52         | 4        | 123        | 16      | 99         | 0.02      | 0.0               | 8.527                               | 0.129 | 0    | 0          | 0            | 25   |
| PL.10240     | PL.2        | C   | 4ACSR              | 14.55Y    | 121.2        | 0.00            | 4.76   | 8.52         | 4        | 123        | 16      | 99         | 0.00      | 0.0               | 8.540                               | 0.013 | 0    | 0          | 0            | 25   |
| PL.22923     | PL.10240    | C   | 4ACSR              | 14.55Y    | 121.2        | 0.00            | 4.76   | 0.99         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 8.671                               | 0.131 | 0    | 0          | 0            | 1    |
| 111817       | PL.22923    | C   | Consumer           | 14.55Y    | 121.2        | 0.00            | 4.76   | 0.99         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 8.671                               | 0.000 | 14   | 2          | 1            | 1    |
| PL.10241     | PL.10240    | C   | 4ACSR              | 14.54Y    | 121.2        | 0.04            | 4.80   | 7.53         | 4        | 109        | 14      | 99         | 0.03      | 0.0               | 8.781                               | 0.241 | 0    | 0          | 0            | 24   |
| PL.17545     | PL.10241    | C   | 4ACSR              | 14.54Y    | 121.2        | 0.02            | 4.82   | 7.53         | 4        | 109        | 14      | 99         | 0.02      | 0.0               | 8.916                               | 0.135 | 0    | 0          | 0            | 24   |
| PD.3282      | PL.17545    | C   | 35L                | 14.54Y    | 121.2        | 0.00            | 4.82   | 7.53         | 22       | 109        | 14      | 99         | 0.00      | 0.0               | 8.916                               | 0.000 | 0    | 0          | 0            | 24   |
| PL.17546     | PD.3282     | C   | 4ACSR              | 14.54Y    | 121.2        | 0.01            | 4.83   | 7.53         | 4        | 109        | 14      | 99         | 0.01      | 0.0               | 8.988                               | 0.072 | 0    | 0          | 0            | 24   |
| PL.19021     | PL.17546    | C   | 4ACSR              | 14.54Y    | 121.1        | 0.04            | 4.87   | 7.26         | 4        | 105        | 14      | 99         | 0.03      | 0.0               | 9.230                               | 0.241 | 0    | 0          | 0            | 23   |
| 111806       | PL.19021    | C   | Consumer           | 14.54Y    | 121.1        | 0.00            | 4.87   | 0.27         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 9.230                               | 0.000 | 4    | 0          | 1            | 1    |
| PL.19022     | PL.19021    | C   | 4ACSR              | 14.53Y    | 121.1        | 0.01            | 4.88   | 6.99         | 4        | 101        | 13      | 99         | 0.01      | 0.0               | 9.310                               | 0.080 | 0    | 0          | 0            | 22   |
| PL.17548     | PL.19022    | C   | 4ACSR              | 14.53Y    | 121.1        | 0.03            | 4.91   | 6.99         | 4        | 101        | 13      | 99         | 0.03      | 0.0               | 9.541                               | 0.231 | 0    | 0          | 0            | 22   |
| C PD.775     | PL.17548    | C   | fuse6AMP           | 14.53Y    | 121.1        | 0.00            | 4.91   | 6.99         | 119      | 101        | 13      | 99         | 0.00      | 0.0               | 9.541                               | 0.000 | 0    | 0          | 0            | 22 C |
| PL.17549     | PD.775      | C   | 4ACSR              | 14.53Y    | 121.1        | 0.00            | 4.92   | 6.99         | 4        | 101        | 13      | 99         | 0.00      | 0.0               | 9.559                               | 0.018 | 0    | 0          | 0            | 22   |
| PL.8486      | PL.17549    | C   | 4ACSR              | 14.53Y    | 121.1        | 0.00            | 4.92   | 4.88         | 3        | 70         | 9       | 99         | 0.00      | 0.0               | 9.606                               | 0.047 | 0    | 0          | 0            | 17   |
| PL.10244     | PL.8486     | C   | 4ACSR              | 14.53Y    | 121.1        | 0.00            | 4.92   | 4.88         | 3        | 70         | 9       | 99         | 0.00      | 0.0               | 9.621                               | 0.015 | 0    | 0          | 0            | 17   |
| PL.10245     | PL.10244    | C   | 4ACSR              | 14.53Y    | 121.0        | 0.03            | 4.96   | 4.12         | 2        | 59         | 8       | 99         | 0.02      | 0.0               | 10.009                              | 0.387 | 0    | 0          | 0            | 15   |
| PL.22924     | PL.10245    | C   | 4ACSR              | 14.53Y    | 121.0        | 0.00            | 4.96   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.089                              | 0.080 | 0    | 0          | 0            | 0    |
| 111824       | PL.22924    | C   | Consumer           | 14.53Y    | 121.0        | 0.00            | 4.96   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.089                              | 0.000 | 0    | 0          | 0            | 0    |
| PL.10246     | PL.10245    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.02            | 4.97   | 4.12         | 2        | 59         | 8       | 99         | 0.01      | 0.0               | 10.203                              | 0.194 | 0    | 0          | 0            | 15   |
| PL.10247     | PL.10246    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.01            | 4.98   | 3.28         | 2        | 47         | 6       | 99         | 0.00      | 0.0               | 10.316                              | 0.113 | 0    | 0          | 0            | 11   |
| PL.21557     | PL.10247    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.98   | 1.02         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 10.420                              | 0.104 | 0    | 0          | 0            | 3    |
| 111904       | PL.21557    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 4.98   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 10.420                              | 0.000 | 0    | 0          | 0            | 0    |
| PL.21558     | PL.21557    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.01            | 4.99   | 1.02         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 10.749                              | 0.329 | 0    | 0          | 0            | 3    |
| 110911       | PL.21558    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 4.99   | 0.70         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 10.749                              | 0.000 | 10   | 1          | 1            | 1    |
| PL.22375     | PL.21558    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.99   | 0.31         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 10.949                              | 0.200 | 0    | 0          | 0            | 2    |

Unbalanced Voltage Drop Report  
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Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.22376     | PL.22375    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.99                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 11.008                              | 0.059 | 0    | 0          | 0            | 1         |
| 110907       | PL.22376    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 4.99                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 11.008                              | 0.000 | 0    | 0          | 1            | 1         |
| 110912       | PL.22375    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 4.99                     | 0.31         | 0        | 5          | 1         | 98      | 0.00       | 0.0               | 10.949                              | 0.000 | 5    | 1          | 1            | 1         |
| PL.10248     | PL.10247    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.98                     | 2.27         | 1        | 33         | 4         | 99      | 0.00       | 0.0               | 10.383                              | 0.067 | 0    | 0          | 0            | 8         |
| PL.5071      | PL.10248    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.99                     | 1.90         | 1        | 27         | 4         | 99      | 0.00       | 0.0               | 10.487                              | 0.104 | 0    | 0          | 0            | 7         |
| 111807       | PL.5071     | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 4.99                     | 0.33         | 0        | 5          | 1         | 98      | 0.00       | 0.0               | 10.487                              | 0.000 | 5    | 1          | 1            | 1         |
| PL.16784     | PL.5071     | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.99                     | 1.57         | 1        | 23         | 3         | 99      | 0.00       | 0.0               | 10.498                              | 0.011 | 0    | 0          | 0            | 6         |
| PD.36-A      | PL.16784    | C   | Closed             | 14.52Y    | 121.0        | 0.00            | 4.99                     | 1.57         | 0        | 23         | 3         | 99      | 0.00       | 0.0               | 10.498                              | 0.000 | 0    | 0          | 0            | 6         |
| PD.36-B      | PD.36-A     | C   | Closed             | 14.52Y    | 121.0        | 0.00            | 4.99                     | 1.57         | 0        | 23         | 3         | 99      | 0.00       | 0.0               | 10.498                              | 0.000 | 0    | 0          | 0            | 6         |
| PL.16785     | PD.36-B     | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.99                     | 1.57         | 1        | 23         | 3         | 99      | 0.00       | 0.0               | 10.533                              | 0.034 | 0    | 0          | 0            | 6         |
| PL.21816     | PL.16785    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.99                     | 0.41         | 0        | 6          | 1         | 99      | 0.00       | 0.0               | 10.545                              | 0.012 | 0    | 0          | 0            | 1         |
| PD.35-A      | PL.21816    | C   | Closed             | 14.52Y    | 121.0        | 0.00            | 4.99                     | 0.41         | 0        | 6          | 1         | 99      | 0.00       | 0.0               | 10.545                              | 0.000 | 0    | 0          | 0            | 1         |
| PD.35-B      | PD.35-A     | C   | Closed             | 14.52Y    | 121.0        | 0.00            | 4.99                     | 0.41         | 0        | 6          | 1         | 99      | 0.00       | 0.0               | 10.545                              | 0.000 | 0    | 0          | 0            | 1         |
| PL.21817     | PD.35-B     | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.99                     | 0.41         | 0        | 6          | 1         | 99      | 0.00       | 0.0               | 10.614                              | 0.069 | 0    | 0          | 0            | 1         |
| PL.22928     | PL.21817    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.99                     | 0.41         | 0        | 6          | 1         | 99      | 0.00       | 0.0               | 10.647                              | 0.033 | 0    | 0          | 0            | 1         |
| 111809       | PL.22928    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 4.99                     | 0.41         | 0        | 6          | 1         | 99      | 0.00       | 0.0               | 10.647                              | 0.000 | 6    | 1          | 1            | 1         |
| PL.10249     | PL.16785    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.01            | 4.99                     | 1.16         | 1        | 17         | 2         | 99      | 0.00       | 0.0               | 10.742                              | 0.209 | 0    | 0          | 0            | 5         |
| 110803       | PL.10249    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 4.99                     | 0.42         | 0        | 6          | 1         | 99      | 0.00       | 0.0               | 10.742                              | 0.000 | 6    | 1          | 1            | 1         |
| PL.10250     | PL.10249    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 5.00                     | 0.74         | 0        | 11         | 1         | 100     | 0.00       | 0.0               | 10.926                              | 0.183 | 0    | 0          | 0            | 4         |
| PL.22930     | PL.10250    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 5.00                     | 0.13         | 0        | 2          | 0         | 100     | 0.00       | 0.0               | 11.026                              | 0.101 | 0    | 0          | 0            | 2         |
| 111810       | PL.22930    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 5.00                     | 0.02         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 11.026                              | 0.000 | 0    | 0          | 1            | 1         |
| 111816       | PL.22930    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 5.00                     | 0.11         | 0        | 2          | 0         | 100     | 0.00       | 0.0               | 11.026                              | 0.000 | 2    | 0          | 1            | 1         |
| PL.10251     | PL.10250    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 5.00                     | 0.61         | 0        | 9          | 1         | 99      | 0.00       | 0.0               | 11.110                              | 0.184 | 0    | 0          | 0            | 2         |
| 111818       | PL.10251    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 5.00                     | 0.01         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 11.110                              | 0.000 | 0    | 0          | 1            | 1         |
| 111813       | PL.10251    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 5.00                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 11.110                              | 0.000 | 0    | 0          | 0            | 0         |
| PL.5070      | PL.10251    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 5.00                     | 0.60         | 0        | 9          | 1         | 99      | 0.00       | 0.0               | 11.238                              | 0.128 | 0    | 0          | 0            | 1         |
| 111814       | PL.5070     | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 5.00                     | 0.60         | 0        | 9          | 1         | 99      | 0.00       | 0.0               | 11.238                              | 0.000 | 9    | 1          | 1            | 1         |
| 111905       | PL.10248    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 4.98                     | 0.37         | 0        | 5          | 1         | 98      | 0.00       | 0.0               | 10.383                              | 0.000 | 5    | 1          | 1            | 1         |
| PL.21824     | PL.10247    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.98                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 10.560                              | 0.245 | 0    | 0          | 0            | 0         |
| PL.21825     | PL.21824    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.98                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 10.741                              | 0.181 | 0    | 0          | 0            | 0         |
| PL.22929     | PL.21825    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.98                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 10.878                              | 0.137 | 0    | 0          | 0            | 0         |
| 111901       | PL.21824    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 4.98                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 10.560                              | 0.000 | 0    | 0          | 0            | 0         |
| PL.22925     | PL.10246    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.97                     | 0.83         | 0        | 12         | 2         | 99      | 0.00       | 0.0               | 10.319                              | 0.116 | 0    | 0          | 0            | 4         |
| 111903       | PL.22925    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 4.97                     | 0.01         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 10.319                              | 0.000 | 0    | 0          | 1            | 1         |
| PL.22926     | PL.22925    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.98                     | 0.64         | 0        | 9          | 1         | 99      | 0.00       | 0.0               | 10.391                              | 0.072 | 0    | 0          | 0            | 1         |
| PL.22927     | PL.22926    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.98                     | 0.64         | 0        | 9          | 1         | 99      | 0.00       | 0.0               | 10.461                              | 0.070 | 0    | 0          | 0            | 1         |
| 111819       | PL.22927    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 4.98                     | 0.64         | 0        | 9          | 1         | 99      | 0.00       | 0.0               | 10.461                              | 0.000 | 9    | 1          | 1            | 1         |
| 111906       | PL.22926    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 4.98                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 10.391                              | 0.000 | 0    | 0          | 0            | 0         |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.22371     | PL.22925    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.97                     | 0.18         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 10.377                              | 0.059 | 0    | 0          | 0            | 2 |
| PL.22372     | PL.22371    | C   | 4ACSR              | 14.52Y    | 121.0        | 0.00            | 4.98                     | 0.18         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 10.823                              | 0.446 | 0    | 0          | 0            | 1 |
| 111907       | PL.22372    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 4.98                     | 0.18         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 10.823                              | 0.000 | 3    | 0          | 1            | 1 |
| 111908       | PL.22371    | C   | Consumer           | 14.52Y    | 121.0        | 0.00            | 4.97                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 10.377                              | 0.000 | 0    | 0          | 1            | 1 |
| PL.252       | PL.10244    | C   | 4ACSR              | 14.53Y    | 121.1        | 0.00            | 4.92                     | 0.77         | 0        | 11         | 1         | 100        | 0.00      | 0.0               | 9.705                               | 0.083 | 0    | 0          | 0            | 2 |
| 111815       | PL.252      | C   | Consumer           | 14.53Y    | 121.1        | 0.00            | 4.92                     | 0.07         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 9.705                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.253       | PL.252      | C   | 4ACSR              | 14.53Y    | 121.1        | 0.00            | 4.92                     | 0.70         | 0        | 10         | 1         | 100        | 0.00      | 0.0               | 9.760                               | 0.055 | 0    | 0          | 0            | 1 |
| 111811       | PL.253      | C   | Consumer           | 14.53Y    | 121.1        | 0.00            | 4.92                     | 0.70         | 0        | 10         | 1         | 100        | 0.00      | 0.0               | 9.760                               | 0.000 | 10   | 1          | 1            | 1 |
| PL.10242     | PL.17549    | C   | 4ACSR              | 14.53Y    | 121.1        | 0.01            | 4.92                     | 1.17         | 1        | 17         | 2         | 99         | 0.00      | 0.0               | 9.846                               | 0.287 | 0    | 0          | 0            | 2 |
| PL.22922     | PL.10242    | C   | 4ACSR              | 14.53Y    | 121.1        | 0.00            | 4.92                     | 1.17         | 1        | 17         | 2         | 99         | 0.00      | 0.0               | 9.933                               | 0.087 | 0    | 0          | 0            | 2 |
| 112802       | PL.22922    | C   | Consumer           | 14.53Y    | 121.1        | 0.00            | 4.92                     | 0.12         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 9.933                               | 0.000 | 2    | 0          | 1            | 1 |
| 112803       | PL.22922    | C   | Consumer           | 14.53Y    | 121.1        | 0.00            | 4.92                     | 1.06         | 0        | 15         | 2         | 99         | 0.00      | 0.0               | 9.933                               | 0.000 | 15   | 2          | 1            | 1 |
| PL.10243     | PL.10242    | C   | 4ACSR              | 14.53Y    | 121.1        | 0.00            | 4.92                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.933                               | 0.086 | 0    | 0          | 0            | 0 |
| 112912       | PL.10243    | C   | Consumer           | 14.53Y    | 121.1        | 0.00            | 4.92                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.933                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.5072      | PL.10243    | C   | 4ACSR              | 14.53Y    | 121.1        | 0.00            | 4.92                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 10.184                              | 0.252 | 0    | 0          | 0            | 0 |
| 112908       | PL.5072     | C   | Consumer           | 14.53Y    | 121.1        | 0.00            | 4.92                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 10.184                              | 0.000 | 0    | 0          | 0            | 0 |
| 111804       | PL.17549    | C   | Consumer           | 14.53Y    | 121.1        | 0.00            | 4.92                     | 0.92         | 0        | 13         | 2         | 99         | 0.00      | 0.0               | 9.559                               | 0.000 | 13   | 2          | 1            | 1 |
| 111820       | PL.17549    | C   | Consumer           | 14.53Y    | 121.1        | 0.00            | 4.92                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.559                               | 0.000 | 0    | 0          | 1            | 1 |
| 111823       | PL.17549    | C   | Consumer           | 14.53Y    | 121.1        | 0.00            | 4.92                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.559                               | 0.000 | 0    | 0          | 1            | 1 |
| 112801       | PL.17546    | C   | Consumer           | 14.54Y    | 121.2        | 0.00            | 4.83                     | 0.27         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 8.988                               | 0.000 | 4    | 1          | 1            | 1 |
| 111735       | PL.10253    | C   | Consumer           | 14.56Y    | 121.3        | 0.00            | 4.70                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.244                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.22678     | PL.16793    | C   | 4ACSR              | 14.56Y    | 121.3        | 0.00            | 4.67                     | 0.13         | 0        | 2          | 1         | 89         | 0.00      | 0.0               | 8.272                               | 0.131 | 0    | 0          | 0            | 3 |
| PL.22373     | PL.22678    | C   | 4ACSR              | 14.56Y    | 121.3        | 0.00            | 4.67                     | 0.13         | 0        | 2          | 1         | 89         | 0.00      | 0.0               | 8.454                               | 0.182 | 0    | 0          | 0            | 3 |
| 111801       | PL.22373    | C   | Consumer           | 14.56Y    | 121.3        | 0.00            | 4.67                     | 0.07         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 8.454                               | 0.000 | 1    | 0          | 1            | 2 |
| 111822       | 111801      | C   | Consumer           | 14.56Y    | 121.3        | 0.00            | 4.67                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.454                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.22374     | PL.22373    | C   | 4ACSR              | 14.56Y    | 121.3        | 0.00            | 4.67                     | 0.06         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 8.534                               | 0.080 | 0    | 0          | 0            | 1 |
| PL.22931     | PL.22374    | C   | 4ACSR              | 14.56Y    | 121.3        | 0.00            | 4.67                     | 0.06         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 8.583                               | 0.049 | 0    | 0          | 0            | 1 |
| 111812       | PL.22931    | C   | Consumer           | 14.56Y    | 121.3        | 0.00            | 4.67                     | 0.06         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 8.583                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.22688     | PL.10280    | C   | 4ACSR              | 14.56Y    | 121.4        | 0.00            | 4.63                     | 0.58         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 8.089                               | 0.068 | 0    | 0          | 0            | 1 |
| 111743       | PL.22688    | C   | Consumer           | 14.56Y    | 121.4        | 0.00            | 4.63                     | 0.58         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 8.089                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.22682     | PL.10278    | C   | 4ACSR              | 14.58Y    | 121.5        | 0.00            | 4.52                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.855                               | 0.172 | 0    | 0          | 0            | 1 |
| 111714       | PL.22682    | C   | Consumer           | 14.58Y    | 121.5        | 0.00            | 4.52                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.855                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.21565     | PL.16795    | C   | 4ACSR              | 14.59Y    | 121.6        | 0.00            | 4.39                     | 0.85         | 0        | 12         | 4         | 95         | 0.00      | 0.0               | 7.399                               | 0.094 | 0    | 0          | 0            | 4 |
| PL.21566     | PL.21565    | C   | 4ACSR              | 14.59Y    | 121.6        | 0.00            | 4.39                     | 0.39         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 7.475                               | 0.076 | 0    | 0          | 0            | 2 |
| PL.22675     | PL.21566    | C   | 4ACSR              | 14.59Y    | 121.6        | 0.00            | 4.39                     | 0.16         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 7.523                               | 0.049 | 0    | 0          | 0            | 1 |
| 111742       | PL.22675    | C   | Consumer           | 14.59Y    | 121.6        | 0.00            | 4.39                     | 0.16         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 7.523                               | 0.000 | 2    | 0          | 1            | 1 |
| 111705       | PL.21566    | C   | Consumer           | 14.59Y    | 121.6        | 0.00            | 4.39                     | 0.23         | 0        | 3          | 0         | 100        | 0.00      | 0.0               | 7.475                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.22674     | PL.21565    | C   | 4ACSR              | 14.59Y    | 121.6        | 0.00            | 4.39                     | 0.47         | 0        | 6          | 3         | 89         | 0.00      | 0.0               | 7.466                               | 0.067 | 0    | 0          | 0            | 2 |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.36763     | PL.22674    | C   | 2ACSR              | 14.59Y    | 121.6        | 0.00            | 4.39                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.483                               | 0.017 | 0    | 0          | 0            | 1         |
| 1117055      | PL.36763    | C   | Consumer           | 14.59Y    | 121.6        | 0.00            | 4.39                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.483                               | 0.000 | 0    | 0          | 1            | 1         |
| 1117054      | PL.36763    | C   | Consumer           | 14.59Y    | 121.6        | 0.00            | 4.39                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.483                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.22676     | PL.22674    | C   | 4ACSR              | 14.59Y    | 121.6        | 0.00            | 4.40                     | 0.44         | 0        | 6          | 3    | 89      | 0.00       | 0.0               | 7.563                               | 0.097 | 0    | 0          | 0            | 1         |
| 111747       | PL.22676    | C   | Consumer           | 14.59Y    | 121.6        | 0.00            | 4.40                     | 0.44         | 0        | 6          | 3    | 89      | 0.00       | 0.0               | 7.563                               | 0.000 | 6    | 3          | 1            | 1         |
| PL.22685     | PL.10274    | C   | 4ACSR              | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.18         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 7.089                               | 0.100 | 0    | 0          | 0            | 2         |
| 111732       | PL.22685    | C   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.089                               | 0.000 | 0    | 0          | 1            | 1         |
| 111719       | PL.22685    | C   | Consumer           | 14.61Y    | 121.7        | 0.00            | 4.27                     | 0.18         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 7.089                               | 0.000 | 3    | 0          | 1            | 1         |
| 111611       | PL.17547    | C   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.07                     | 0.06         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 6.544                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.9518      | PL.17547    | C   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.07                     | 0.24         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 6.615                               | 0.071 | 0    | 0          | 0            | 1         |
| PL.21812     | PL.9518     | C   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.07                     | 0.24         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 6.627                               | 0.012 | 0    | 0          | 0            | 1         |
| PL.21813     | PL.21812    | C   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.07                     | 0.24         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 6.671                               | 0.045 | 0    | 0          | 0            | 1         |
| 110606       | PL.21813    | C   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.07                     | 0.24         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 6.671                               | 0.000 | 4    | 0          | 1            | 1         |
| PL.41078     | PL.9518     | C   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.07                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.632                               | 0.017 | 0    | 0          | 0            | 0         |
| PD.7352-B    | PL.41078    | C   | Open               | 14.63Y    | 121.9        | 0.00            | 4.07                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.632                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.21814     | PL.22362    | C   | 4ACSR              | 14.67Y    | 122.2        | 0.00            | 3.78                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.939                               | 0.038 | 0    | 0          | 0            | 0         |
| PD.30-A      | PL.21814    | C   | Closed             | 14.67Y    | 122.2        | 0.00            | 3.78                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.939                               | 0.000 | 0    | 0          | 0            | 0         |
| PD.30-B      | PD.30-A     | C   | Closed             | 14.67Y    | 122.2        | 0.00            | 3.78                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.939                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.41191     | PD.30-B     | C   | 4ACSR              | 14.67Y    | 122.2        | 0.00            | 3.78                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.319                               | 0.380 | 0    | 0          | 0            | 0         |
| PD.7356-A    | PL.41191    | C   | Open               | 14.67Y    | 122.2        | 0.00            | 3.78                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.319                               | 0.000 | 0    | 0          | 0            | 0         |
| 111601       | PL.28317    | C   | Consumer           | 14.67Y    | 122.2        | 0.00            | 3.77                     | 0.33         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 5.879                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.28318     | PL.9517     | C   | 4ACSR              | 14.67Y    | 122.2        | 0.00            | 3.75                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 6.032                               | 0.201 | 0    | 0          | 0            | 1         |
| PL.22695     | PL.28318    | C   | 4ACSR              | 14.67Y    | 122.2        | 0.00            | 3.75                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.187                               | 0.155 | 0    | 0          | 0            | 0         |
| 110608       | PL.22695    | C   | Consumer           | 14.67Y    | 122.2        | 0.00            | 3.75                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.187                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.22015     | PL.28318    | C   | 4ACSR              | 14.67Y    | 122.2        | 0.00            | 3.75                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 6.065                               | 0.033 | 0    | 0          | 0            | 1         |
| 110602       | PL.22015    | C   | Consumer           | 14.67Y    | 122.2        | 0.00            | 3.75                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 6.065                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.9394      | PL.12       | A   | 1/0ACSR            | 15.12Y    | 126.0        | 0.01            | 0.01                     | 17.01        | 5        | 255        | 36   | 99      | 0.11       | 0.0               | 5.397                               | 0.098 | 0    | 0          | 0            | 32        |
|              |             | B   |                    | 14.93Y    | 124.4        | 0.02            | 1.56                     | 19.39        | 6        | 287        | 41   | 99      |            |                   | 0                                   | 0     | 0    | 0          | 46           |           |
|              |             | C   |                    | 14.70Y    | 122.5        | 0.02            | 3.52                     | 25.35        | 8        | 369        | 54   | 99      |            |                   | 0                                   | 0     | 0    | 0          | 75           |           |
| PL.9395      | PL.9394     | A   | 1/0ACSR            | 15.12Y    | 126.0        | 0.01            | 0.02                     | 13.29        | 4        | 199        | 28   | 99      | 0.18       | 0.0               | 5.571                               | 0.174 | 0    | 0          | 0            | 26        |
|              |             | B   |                    | 14.93Y    | 124.4        | 0.03            | 1.59                     | 19.39        | 6        | 287        | 41   | 99      |            |                   | 0                                   | 0     | 0    | 0          | 46           |           |
|              |             | C   |                    | 14.69Y    | 122.4        | 0.04            | 3.56                     | 25.35        | 8        | 369        | 54   | 99      |            |                   | 0                                   | 0     | 0    | 0          | 75           |           |
| PL.5345      | PL.9395     | A   | 1/0ACSR            | 15.12Y    | 126.0        | 0.00            | 0.02                     | 13.29        | 4        | 199        | 28   | 99      | 0.06       | 0.0               | 5.627                               | 0.057 | 0    | 0          | 0            | 26        |
|              |             | B   |                    | 14.93Y    | 124.4        | 0.01            | 1.61                     | 18.74        | 6        | 277        | 40   | 99      |            |                   | 0                                   | 0     | 0    | 0          | 45           |           |
|              |             | C   |                    | 14.69Y    | 122.4        | 0.01            | 3.57                     | 25.35        | 8        | 369        | 53   | 99      |            |                   | 0                                   | 0     | 0    | 0          | 75           |           |
| PL.9391      | PL.5345     | A   | 1/0ACSR            | 15.12Y    | 126.0        | 0.00            | 0.02                     | 13.29        | 4        | 199        | 28   | 99      | 0.02       | 0.0               | 5.649                               | 0.021 | 0    | 0          | 0            | 26        |
|              |             | B   |                    | 14.93Y    | 124.4        | 0.00            | 1.61                     | 18.74        | 6        | 277        | 40   | 99      |            |                   | 0                                   | 0     | 0    | 0          | 45           |           |
|              |             | C   |                    | 14.69Y    | 122.4        | 0.00            | 3.58                     | 25.35        | 8        | 369        | 53   | 99      |            |                   | 0                                   | 0     | 0    | 0          | 75           |           |
| PL.9392      | PL.9391     | A   | 1/0ACSR            | 15.12Y    | 126.0        | 0.00            | 0.03                     | 13.29        | 4        | 199        | 28   | 99      | 0.04       | 0.0               | 5.686                               | 0.037 | 0    | 0          | 0            | 26        |
|              |             | B   |                    | 14.93Y    | 124.4        | 0.01            | 1.62                     | 18.74        | 6        | 277        | 40   | 99      |            |                   | 0                                   | 0     | 0    | 0          | 45           |           |
|              |             | C   |                    | 14.69Y    | 122.4        | 0.01            | 3.58                     | 25.35        | 8        | 369        | 53   | 99      |            |                   | 0                                   | 0     | 0    | 0          | 75           |           |
| PL.30925     | PL.9392     | A   | 1/0ACSR            | 15.12Y    | 126.0        | 0.00            | 0.03                     | 13.29        | 4        | 199        | 28   | 99      | 0.00       | 0.0               | 5.690                               | 0.004 | 0    | 0          | 0            | 26        |
|              |             | B   |                    | 14.93Y    | 124.4        | 0.00            | 1.62                     | 18.74        | 6        | 277        | 40   | 99      |            |                   | 0                                   | 0     | 0    | 0          | 45           |           |
|              |             | C   |                    | 14.69Y    | 122.4        | 0.00            | 3.58                     | 25.35        | 8        | 369        | 53   | 99      |            |                   | 0                                   | 0     | 0    | 0          | 74           |           |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |                      |                | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |   | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|----------------------|----------------|---------|------------|-----------|-------------------|-------------------|---|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | mi<br>Length<br>(mi) | KW             |         |            |           |                   | KVAR              |   |            |              |
| RG.1         | PL.30925    | A   | 1ph-100A-1         | 15.12Y    | 126.0        | -0.03           | -0.00                    | 13.29        | 13       | 199        | 28   | 99                   | percent Boost= | 0.02    | Tap=       | 0.0       |                   |                   |   | 26         |              |
|              |             | B   |                    | 15.12Y    | 126.0        | -1.62           | 0.00                     | 18.74        | 19       | 277        | 40   | 99                   | percent Boost= | 1.30    | Tap=       | 2.1       |                   |                   |   |            |              |
|              |             | C   |                    | 15.12Y    | 126.0        | -3.58           | 0.00                     | 25.35        | 25       | 369        | 53   | 99                   | percent Boost= | 2.93    | Tap=       | 4.7       |                   |                   |   |            |              |
| PL.35615     | RG.1        | A   | 1/0ACSR            | 15.12Y    | 126.0        | 0.01            | 0.01                     | 13.28        | 4        | 199        | 28   | 99                   | 0.13           | 0.0     | 5.822      | 0.132     | 0                 | 0                 | 0 | 26         |              |
|              |             | B   |                    | 15.12Y    | 126.0        | 0.02            | 0.02                     | 18.50        | 6        | 277        | 40   | 99                   |                |         |            |           | 0                 | 0                 | 0 | 45         |              |
|              |             | C   |                    | 15.12Y    | 126.0        | 0.03            | 0.03                     | 24.63        | 7        | 369        | 53   | 99                   |                |         |            |           | 0                 | 0                 | 0 | 74         |              |
| PL.35616     | PL.35615    | A   | 1/0ACSR            | 15.12Y    | 126.0        | 0.01            | 0.02                     | 12.17        | 4        | 182        | 26   | 99                   | 0.17           | 0.0     | 6.002      | 0.180     | 0                 | 0                 | 0 | 25         |              |
|              |             | B   |                    | 15.11Y    | 125.9        | 0.03            | 0.06                     | 18.50        | 6        | 277        | 40   | 99                   |                |         |            |           | 0                 | 0                 | 0 | 45         |              |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.04            | 0.06                     | 24.63        | 7        | 368        | 53   | 99                   |                |         |            |           | 0                 | 0                 | 0 | 74         |              |
| PL.199       | PL.35616    | A   | 1/0ACSR            | 15.12Y    | 126.0        | 0.01            | 0.03                     | 12.17        | 4        | 182        | 26   | 99                   | 0.14           | 0.0     | 6.144      | 0.141     | 0                 | 0                 | 0 | 25         |              |
|              |             | B   |                    | 15.11Y    | 125.9        | 0.03            | 0.09                     | 18.50        | 6        | 277        | 40   | 99                   |                |         |            |           | 0                 | 0                 | 0 | 45         |              |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.03            | 0.09                     | 24.63        | 7        | 368        | 53   | 99                   |                |         |            |           | 0                 | 0                 | 0 | 74         |              |
| PL.9389      | PL.199      | A   | 397ACSR            | 15.12Y    | 126.0        | 0.01            | 0.03                     | 12.17        | 1        | 182        | 26   | 99                   | 0.02           | 0.0     | 6.294      | 0.151     | 0                 | 0                 | 0 | 25         |              |
|              |             | B   |                    | 15.11Y    | 125.9        | 0.01            | 0.10                     | 18.50        | 2        | 277        | 40   | 99                   |                |         |            |           | 0                 | 0                 | 0 | 45         |              |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.09                     | 14.02        | 2        | 209        | 32   | 99                   |                |         |            |           | 0                 | 0                 | 0 | 51         |              |
| PL.16661     | PL.9389     | B   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.80         | 1        | 27         | 3    | 99                   | 0.00           | 0.0     | 6.300      | 0.006     | 0                 | 0                 | 0 | 3          |              |
| PD.2825      | PL.16661    | B   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.80         | 31       | 27         | 3    | 99                   | 0.00           | 0.0     | 6.300      | 0.000     | 0                 | 0                 | 0 | 3          |              |
| PL.16662     | PD.2825     | B   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.80         | 1        | 27         | 3    | 99                   | 0.00           | 0.0     | 6.381      | 0.080     | 0                 | 0                 | 0 | 3          |              |
| 537605       | PL.16662    | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.14         | 0        | 2          | 0    | 100                  | 0.00           | 0.0     | 6.381      | 0.000     | 2                 | 0                 | 1 | 1          |              |
| 536602       | PL.16662    | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.89         | 0        | 13         | 2    | 99                   | 0.00           | 0.0     | 6.381      | 0.000     | 13                | 2                 | 1 | 1          |              |
| 536601       | PL.16662    | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.77         | 0        | 11         | 1    | 100                  | 0.00           | 0.0     | 6.381      | 0.000     | 11                | 1                 | 1 | 1          |              |
| 537602       | PL.9389     | A   | Consumer           | 15.12Y    | 126.0        | 0.00            | 0.03                     | 0.00         | 0        | 0          | 0    | 100                  | 0.00           | 0.0     | 6.294      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| 537604       | PL.9389     | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.24         | 0        | 4          | 0    | 100                  | 0.00           | 0.0     | 6.294      | 0.000     | 4                 | 0                 | 1 | 1          |              |
| PL.16664     | PL.9389     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.09                     | 0.08         | 0        | 1          | 0    | 100                  | 0.00           | 0.0     | 6.298      | 0.004     | 0                 | 0                 | 0 | 1          |              |
| PD.2823      | PL.16664    | C   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.09                     | 0.08         | 1        | 1          | 0    | 100                  | 0.00           | 0.0     | 6.298      | 0.000     | 0                 | 0                 | 0 | 1          |              |
| PL.16663     | PD.2823     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.09                     | 0.08         | 0        | 1          | 0    | 100                  | 0.00           | 0.0     | 6.353      | 0.055     | 0                 | 0                 | 0 | 1          |              |
| 536701       | PL.16663    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.09                     | 0.08         | 0        | 1          | 0    | 100                  | 0.00           | 0.0     | 6.353      | 0.000     | 1                 | 0                 | 1 | 1          |              |
| 536702       | PL.16663    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.09                     | 0.00         | 0        | 0          | 0    | 100                  | 0.00           | 0.0     | 6.353      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| PL.9390      | PL.9389     | A   | 397ACSR            | 15.12Y    | 126.0        | 0.00            | 0.04                     | 12.17        | 1        | 182        | 26   | 99                   | 0.01           | 0.0     | 6.392      | 0.098     | 0                 | 0                 | 0 | 25         |              |
|              |             | B   |                    | 15.11Y    | 125.9        | 0.01            | 0.10                     | 16.47        | 2        | 246        | 36   | 99                   |                |         |            |           | 0                 | 0                 | 0 | 41         |              |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 13.95        | 2        | 208        | 32   | 99                   |                |         |            |           | 0                 | 0                 | 0 | 50         |              |
| PL.16668     | PL.9390     | A   | 397ACSR            | 15.12Y    | 126.0        | 0.00            | 0.04                     | 12.17        | 1        | 182        | 26   | 99                   | 0.00           | 0.0     | 6.423      | 0.031     | 0                 | 0                 | 0 | 25         |              |
|              |             | B   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 16.47        | 2        | 246        | 36   | 99                   |                |         |            |           | 0                 | 0                 | 0 | 40         |              |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 13.89        | 2        | 207        | 32   | 99                   |                |         |            |           | 0                 | 0                 | 0 | 49         |              |
| PL.16666     | PL.16668    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.79         | 1        | 27         | 3    | 99                   | 0.00           | 0.0     | 6.427      | 0.004     | 0                 | 0                 | 0 | 5          |              |
| PD.2824      | PL.16666    | C   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.79         | 31       | 27         | 3    | 99                   | 0.00           | 0.0     | 6.427      | 0.000     | 0                 | 0                 | 0 | 5          |              |
| PL.16665     | PD.2824     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.79         | 1        | 27         | 3    | 99                   | 0.00           | 0.0     | 6.458      | 0.031     | 0                 | 0                 | 0 | 5          |              |
| 536604       | PL.16665    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.67         | 0        | 10         | 1    | 100                  | 0.00           | 0.0     | 6.458      | 0.000     | 10                | 1                 | 1 | 1          |              |
| 535602       | PL.16665    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.00         | 0        | 0          | 0    | 100                  | 0.00           | 0.0     | 6.458      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| 535606       | PL.16665    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.27         | 0        | 4          | 1    | 97                   | 0.00           | 0.0     | 6.458      | 0.000     | 4                 | 1                 | 1 | 1          |              |
| 535605       | PL.16665    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.26         | 0        | 4          | 1    | 97                   | 0.00           | 0.0     | 6.458      | 0.000     | 4                 | 1                 | 1 | 1          |              |
| PL.19126     | PL.16665    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.59         | 0        | 9          | 1    | 99                   | 0.00           | 0.0     | 6.492      | 0.035     | 0                 | 0                 | 0 | 2          |              |
| PL.19125     | PL.19126    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.50         | 0        | 7          | 1    | 99                   | 0.00           | 0.0     | 6.504      | 0.011     | 0                 | 0                 | 0 | 1          |              |
| PL.16667     | PL.19125    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.50         | 0        | 7          | 1    | 99                   | 0.00           | 0.0     | 6.506      | 0.002     | 0                 | 0                 | 0 | 1          |              |
| 535516       | PL.16667    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.00         | 0        | 0          | 0    | 100                  | 0.00           | 0.0     | 6.506      | 0.000     | 0                 | 0                 | 0 | 0          |              |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 536501       | PL.16667    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.50         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 6.506                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.30828     | PL.16667    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.509                               | 0.004 | 0    | 0          | 0            | 0  |
| PD.186-B     | PL.30828    | C   | Open               | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.509                               | 0.000 | 0    | 0          | 0            | 0  |
| 535604       | PL.19126    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.492                               | 0.000 | 0    | 0          | 0            | 0  |
| 535601       | PL.19126    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 6.492                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.16669     | PL.16668    | A   | 397ACSR            | 15.11Y    | 126.0        | 0.01            | 0.04                     | 12.17        | 1        | 182        | 26      | 99         | 0.03      | 0.0               | 6.612                               | 0.189 | 0    | 0          | 0            | 25 |
|              |             | B   |                    | 15.11Y    | 125.9        | 0.01            | 0.11                     | 16.47        | 2        | 246        | 36      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 40 |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 12.10        | 1        | 181        | 28      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 44 |
| 535701       | PL.16669    | A   | Consumer           | 15.11Y    | 126.0        | 0.00            | 0.04                     | 0.29         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 6.612                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.9396      | PL.16669    | A   | 397ACSR            | 15.11Y    | 126.0        | 0.00            | 0.05                     | 11.87        | 1        | 178        | 25      | 99         | 0.01      | 0.0               | 6.685                               | 0.073 | 0    | 0          | 0            | 24 |
|              |             | B   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 16.47        | 2        | 246        | 36      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 40 |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 12.10        | 1        | 181        | 28      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 44 |
| PL.34492     | PL.9396     | A   | 397ACSR            | 15.11Y    | 126.0        | -0.00           | 0.05                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.695                               | 0.011 | 0    | 0          | 0            | 1  |
|              |             | B   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.12         | 0        | 2          | 0       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 2  |
| PD.4826      | PL.34492    | A   | fuse6AMP           | 15.11Y    | 126.0        | 0.00            | 0.05                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.695                               | 0.000 | 0    | 0          | 0            | 1  |
|              |             | B   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.12         | 2        | 2          | 0       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 2  |
| PL.34493     | PD.4826     | A   | 397ACSR            | 15.11Y    | 126.0        | -0.00           | 0.05                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.729                               | 0.033 | 0    | 0          | 0            | 1  |
|              |             | B   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.12         | 0        | 2          | 0       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 2  |
| 534602       | PL.34493    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.11         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.729                               | 0.000 | 2    | 0          | 1            | 1  |
| 534615       | PL.34493    | A   | Consumer           | 15.11Y    | 126.0        | 0.00            | 0.05                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.729                               | 0.000 | 0    | 0          | 1            | 1  |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.01         | 0        | 0          | 0       | 90         |           |                   |                                     |       | 0    | 0          | 1            | 1  |
| PL.9397      | PL.9396     | A   | 397ACSR            | 15.11Y    | 126.0        | 0.00            | 0.05                     | 11.86        | 1        | 178        | 25      | 99         | 0.00      | 0.0               | 6.716                               | 0.031 | 0    | 0          | 0            | 23 |
|              |             | B   |                    | 15.11Y    | 125.9        | 0.00            | 0.12                     | 16.47        | 2        | 246        | 36      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 40 |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 9.49         | 1        | 141        | 23      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 36 |
| PL.6967      | PL.9397     | A   | 397ACSR            | 15.11Y    | 125.9        | 0.00            | 0.05                     | 11.86        | 1        | 178        | 25      | 99         | 0.00      | 0.0               | 6.748                               | 0.033 | 0    | 0          | 0            | 23 |
|              |             | B   |                    | 15.11Y    | 125.9        | 0.00            | 0.12                     | 15.81        | 2        | 236        | 34      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 37 |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 9.49         | 1        | 141        | 23      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 36 |
| 533605       | PL.6967     | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.05                     | 0.14         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.748                               | 0.000 | 2    | 0          | 1            | 1  |
| 534701       | PL.6967     | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.05                     | 0.42         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 6.748                               | 0.000 | 6    | 1          | 1            | 1  |
| 533601       | PL.6967     | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.05                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.748                               | 0.000 | 0    | 0          | 1            | 1  |
| 534604       | PL.6967     | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.05                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.748                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.16672     | PL.6967     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.93         | 1        | 29         | 4       | 99         | 0.00      | 0.0               | 6.753                               | 0.005 | 0    | 0          | 0            | 5  |
| PD.2444      | PL.16672    | C   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.93         | 33       | 29         | 4       | 99         | 0.00      | 0.0               | 6.753                               | 0.000 | 0    | 0          | 0            | 5  |
| PL.16673     | PD.2444     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.93         | 1        | 29         | 4       | 99         | 0.00      | 0.0               | 6.774                               | 0.021 | 0    | 0          | 0            | 5  |
| 533706       | PL.16673    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.774                               | 0.000 | 0    | 0          | 1            | 1  |
| 533604       | PL.16673    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.774                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.3504      | PL.16673    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.91         | 1        | 29         | 4       | 99         | 0.00      | 0.0               | 6.820                               | 0.046 | 0    | 0          | 0            | 4  |
| PL.3505      | PL.3504     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.43         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 6.867                               | 0.047 | 0    | 0          | 0            | 1  |
| 532703       | PL.3505     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.43         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 6.867                               | 0.000 | 6    | 1          | 1            | 1  |
| 533702       | PL.3504     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.15         | 0        | 17         | 2       | 99         | 0.00      | 0.0               | 6.820                               | 0.000 | 17   | 2          | 1            | 1  |
| 533701       | PL.3504     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.06         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 6.820                               | 0.000 | 1    | 0          | 1            | 1  |
| 533703       | PL.3504     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.28         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 6.820                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.6966      | PL.6967     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.01            | 0.11                     | 4.19         | 2        | 63         | 9       | 99         | 0.00      | 0.0               | 6.843                               | 0.095 | 0    | 0          | 0            | 19 |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 533603       | PL.6966     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.20         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 6.843                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.18766     | PL.6966     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 3.99         | 2        | 60         | 8       | 99         | 0.00      | 0.0               | 6.849                               | 0.005 | 0    | 0          | 0            | 18 |
| PD.3718      | PL.18766    | C   | 35E                | 15.11Y    | 125.9        | 0.00            | 0.11                     | 3.99         | 11       | 60         | 8       | 99         | 0.00      | 0.0               | 6.849                               | 0.000 | 0    | 0          | 0            | 18 |
| PL.18767     | PD.3718     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.01            | 0.12                     | 3.99         | 2        | 60         | 8       | 99         | 0.00      | 0.0               | 6.941                               | 0.092 | 0    | 0          | 0            | 18 |
| PL.28333     | PL.18767    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 6.948                               | 0.007 | 0    | 0          | 0            | 2  |
| PD.3486      | PL.28333    | C   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.48         | 8        | 7          | 1       | 99         | 0.00      | 0.0               | 6.948                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.28334     | PD.3486     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 7.019                               | 0.071 | 0    | 0          | 0            | 2  |
| PL.28335     | PL.28334    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 7.024                               | 0.005 | 0    | 0          | 0            | 2  |
| PD.3487      | PL.28335    | C   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.48         | 8        | 7          | 1       | 99         | 0.00      | 0.0               | 7.024                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.28336     | PD.3487     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 7.056                               | 0.032 | 0    | 0          | 0            | 2  |
| 535608       | PL.28336    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 7.056                               | 0.000 | 7    | 1          | 1            | 1  |
| 535607       | PL.28336    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.056                               | 0.000 | 0    | 0          | 1            | 1  |
| 534601       | PL.28334    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.019                               | 0.000 | 0    | 0          | 0            | 0  |
| 534511       | PL.18767    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.28         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 6.941                               | 0.000 | 4    | 1          | 1            | 1  |
| 534501       | PL.18767    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.25         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 6.941                               | 0.000 | 4    | 0          | 1            | 1  |
| 534507       | PL.18767    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.14         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.941                               | 0.000 | 2    | 0          | 1            | 1  |
| 534504       | PL.18767    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.941                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.16670     | PL.18767    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 2.84         | 1        | 43         | 6       | 99         | 0.00      | 0.0               | 7.004                               | 0.063 | 0    | 0          | 0            | 13 |
| PD.2822      | PL.16670    | C   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 2.84         | 49       | 43         | 6       | 99         | 0.00      | 0.0               | 7.004                               | 0.000 | 0    | 0          | 0            | 13 |
| PL.16671     | PD.2822     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 2.84         | 1        | 43         | 6       | 99         | 0.00      | 0.0               | 7.006                               | 0.002 | 0    | 0          | 0            | 13 |
| PL.7375      | PL.16671    | C   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 2.28         | 1        | 34         | 5       | 99         | 0.00      | 0.0               | 7.087                               | 0.081 | 0    | 0          | 0            | 11 |
| 535509       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.087                               | 0.000 | 0    | 0          | 1            | 1  |
| 534510       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.11         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 7.087                               | 0.000 | 2    | 0          | 1            | 1  |
| 535511       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.39         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.087                               | 0.000 | 6    | 1          | 1            | 1  |
| 535517       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.087                               | 0.000 | 0    | 0          | 0            | 0  |
| 535512       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 1.06         | 0        | 16         | 2       | 99         | 0.00      | 0.0               | 7.087                               | 0.000 | 16   | 2          | 1            | 1  |
| 535510       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.087                               | 0.000 | 0    | 0          | 1            | 1  |
| 534506       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.087                               | 0.000 | 0    | 0          | 0            | 0  |
| 534509       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 7.087                               | 0.000 | 1    | 0          | 1            | 1  |
| 535514       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.14         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 7.087                               | 0.000 | 2    | 0          | 1            | 1  |
| 535513       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.087                               | 0.000 | 0    | 0          | 0            | 0  |
| 534505       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.087                               | 0.000 | 0    | 0          | 0            | 0  |
| 535503       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.087                               | 0.000 | 0    | 0          | 0            | 0  |
| 534502       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.05         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 7.087                               | 0.000 | 1    | 0          | 1            | 1  |
| 535502       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.33         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 7.087                               | 0.000 | 5    | 1          | 1            | 1  |
| 535501       | PL.7375     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.087                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.19028     | PL.7375     | C   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.12         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 7.102                               | 0.015 | 0    | 0          | 0            | 2  |
| PL.30827     | PL.19028    | C   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.120                               | 0.017 | 0    | 0          | 0            | 0  |

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PD.186-A, 535505, etc.



Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.9443      | PL.9442     | A   | 397ACSR            | 15.11Y    | 125.9        | 0.00            | 0.11                     | 4.17         | 1        | 63         | 8       | 99         | 0.00      | 0.0               | 7.814                               | 0.067 | 0    | 0          | 0            | 8  |
|              |             | B   |                    | 15.10Y    | 125.9        | 0.00            | 0.15                     | 12.63        | 2        | 189        | 28      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 29 |
|              |             | C   |                    | 15.11Y    | 125.9        | -0.00           | 0.08                     | 1.19         | 0        | 18         | 2       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 6  |
| PL.16153     | PL.9443     | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.15                     | 2.38         | 1        | 36         | 5       | 99         | 0.00      | 0.0               | 7.908                               | 0.094 | 0    | 0          | 0            | 6  |
| PD.1892      | PL.16153    | B   | fuse6AMP           | 15.10Y    | 125.8        | 0.00            | 0.15                     | 2.38         | 41       | 36         | 5       | 99         | 0.00      | 0.0               | 7.908                               | 0.000 | 0    | 0          | 0            | 6  |
| PL.16154     | PD.1892     | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.15                     | 2.38         | 1        | 36         | 5       | 99         | 0.00      | 0.0               | 7.928                               | 0.020 | 0    | 0          | 0            | 6  |
| PL.21242     | PL.16154    | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.15                     | 0.81         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 7.994                               | 0.066 | 0    | 0          | 0            | 1  |
| 058623       | PL.21242    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.15                     | 0.81         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 7.994                               | 0.000 | 12   | 2          | 1            | 1  |
| 058618       | PL.16154    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.15                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.928                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.9444      | PL.16154    | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.16                     | 1.56         | 1        | 23         | 4       | 99         | 0.00      | 0.0               | 7.993                               | 0.065 | 0    | 0          | 0            | 4  |
| 058616       | PL.9444     | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.993                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.9445      | PL.9444     | B   | 4ACSR              | 15.10Y    | 125.8        | 0.01            | 0.17                     | 1.56         | 1        | 23         | 4       | 99         | 0.00      | 0.0               | 8.323                               | 0.330 | 0    | 0          | 0            | 4  |
| PL.22034     | PL.9445     | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.17                     | 1.00         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 8.391                               | 0.069 | 0    | 0          | 0            | 3  |
| PL.22035     | PL.22034    | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.17                     | 1.00         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 8.427                               | 0.036 | 0    | 0          | 0            | 3  |
| PL.22033     | PL.22035    | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.30         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 8.537                               | 0.109 | 0    | 0          | 0            | 1  |
| 058608       | PL.22033    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.30         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 8.537                               | 0.000 | 4    | 1          | 1            | 1  |
| 058617       | PL.22033    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.537                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.22032     | PL.22035    | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.71         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 8.490                               | 0.063 | 0    | 0          | 0            | 2  |
| 058610       | PL.22032    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.10         | 0        | 1          | 1       | 71         | 0.00      | 0.0               | 8.490                               | 0.000 | 1    | 1          | 1            | 1  |
| 058604       | PL.22032    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 8.490                               | 0.000 | 9    | 1          | 1            | 1  |
| 058614       | PL.22032    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.490                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.9446      | PL.9445     | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 8.367                               | 0.044 | 0    | 0          | 0            | 1  |
| PL.22036     | PL.9446     | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.471                               | 0.104 | 0    | 0          | 0            | 0  |
| PL.21243     | PL.22036    | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.513                               | 0.042 | 0    | 0          | 0            | 0  |
| 058609       | PL.21243    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.513                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.9447      | PL.9446     | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 8.530                               | 0.163 | 0    | 0          | 0            | 1  |
| 058613       | PL.9447     | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 8.530                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.9448      | PL.9443     | A   | 397ACSR            | 15.11Y    | 125.9        | 0.00            | 0.11                     | 4.17         | 1        | 63         | 8       | 99         | 0.00      | 0.0               | 7.867                               | 0.053 | 0    | 0          | 0            | 8  |
|              |             | B   |                    | 15.10Y    | 125.9        | 0.00            | 0.15                     | 10.25        | 1        | 153        | 23      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 23 |
|              |             | C   |                    | 15.11Y    | 125.9        | -0.00           | 0.08                     | 1.19         | 0        | 18         | 2       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 6  |
| 058624       | PL.9448     | B   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.15                     | 0.21         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 7.867                               | 0.000 | 3    | 0          | 1            | 1  |
| 058627       | PL.9448     | B   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.15                     | 0.05         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 7.867                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.23219     | PL.9448     | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.18         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 7.878                               | 0.011 | 0    | 0          | 0            | 2  |
| PD.1893      | PL.23219    | A   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.18         | 20       | 18         | 2       | 99         | 0.00      | 0.0               | 7.878                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.23220     | PD.1893     | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.18         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 7.897                               | 0.019 | 0    | 0          | 0            | 2  |
| PL.28403     | PL.23220    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 1.04         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 7.963                               | 0.066 | 0    | 0          | 0            | 1  |
| PL.21244     | PL.28403    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 1.04         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 8.009                               | 0.046 | 0    | 0          | 0            | 1  |
| 058621       | PL.21244    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 1.04         | 0        | 16         | 2       | 99         | 0.00      | 0.0               | 8.009                               | 0.000 | 16   | 2          | 1            | 1  |
| 058601       | PL.28403    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.963                               | 0.000 | 0    | 0          | 0            | 0  |
| 058615       | PL.23220    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.14         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 7.897                               | 0.000 | 2    | 0          | 1            | 1  |

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, Element KVAR, Cons On, Cons Thru. Includes data for various elements like 0586031, PL.16151, PD.2319-A, etc.

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| 057602       | PL.9457     | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.54         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 8.561             | 0.000          | 8          | 1            | 1  | 1    |
| PL.9456      | PL.9455     | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.20                     | 1.22         | 1        | 18         | 5    | 96      | 0.00       | 0.0               | 8.535             | 0.059          | 0          | 0            | 0  | 5    |
| 057603       | PL.9456     | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.20         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 8.535             | 0.000          | 3          | 0            | 1  | 1    |
| PL.7652      | PL.9456     | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.20                     | 1.03         | 1        | 15         | 5    | 95      | 0.00       | 0.0               | 8.544             | 0.009          | 0          | 0            | 0  | 4    |
| PL.19194     | PL.7652     | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.20                     | 1.03         | 1        | 15         | 5    | 95      | 0.00       | 0.0               | 8.596             | 0.052          | 0          | 0            | 0  | 4    |
| PL.19195     | PL.19194    | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 8.644             | 0.048          | 0          | 0            | 0  | 2    |
| PL.28625     | PL.19195    | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 8.872             | 0.228          | 0          | 0            | 0  | 2    |
| 057501       | PL.28625    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.17         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 8.872             | 0.000          | 3          | 0            | 1  | 1    |
| PL.28626     | PL.28625    | B   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.22         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 9.014             | 0.142          | 0          | 0            | 0  | 1    |
| 058501       | PL.28626    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.22         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 9.014             | 0.000          | 3          | 0            | 1  | 1    |
| 057505       | PL.19194    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.20         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 8.596             | 0.000          | 3          | 1            | 1  | 1    |
| 057502       | PL.19194    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.44         | 0        | 6          | 3    | 89      | 0.00       | 0.0               | 8.596             | 0.000          | 6          | 3            | 1  | 1    |
| 057604       | PL.6946     | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.18                     | 0.29         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 8.341             | 0.000          | 4          | 1            | 1  | 1    |
| 057631       | PL.16617    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 8.278             | 0.000          | 7          | 1            | 1  | 1    |
| 057630       | PL.16617    | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.99         | 0        | 15         | 2    | 99      | 0.00       | 0.0               | 8.278             | 0.000          | 15         | 2            | 1  | 1    |
| 057605       | PL.9453     | B   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.17                     | 0.49         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 8.231             | 0.000          | 7          | 1            | 1  | 1    |
| 057612       | PL.9452     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.07                     | 0.31         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 8.168             | 0.000          | 5          | 1            | 1  | 1    |
| PL.9454      | PL.9452     | A   | 397ACSR            | 15.11Y    | 125.9        | 0.00            | 0.12                     | 2.06         | 0        | 31         | 4    | 99      | 0.00       | 0.0               | 8.287             | 0.120          | 0          | 0            | 0  | 5    |
|              |             | B   |                    | 15.10Y    | 125.8        | -0.00           | 0.16                     | 1.25         | 0        | 19         | 2    | 99      |            |                   |                   |                | 0          | 0            | 0  | 2    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.07                     | 0.21         | 0        | 3          | 0    | 99      |            |                   |                   |                | 0          | 0            | 0  | 3    |
| PL.23217     | PL.9454     | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 1.60         | 1        | 24         | 3    | 99      | 0.00       | 0.0               | 8.303             | 0.016          | 0          | 0            | 0  | 2    |
| PD.1890      | PL.23217    | A   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 1.60         | 27       | 24         | 3    | 99      | 0.00       | 0.0               | 8.303             | 0.000          | 0          | 0            | 0  | 2    |
| PL.23218     | PD.1890     | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 1.60         | 1        | 24         | 3    | 99      | 0.00       | 0.0               | 8.358             | 0.055          | 0          | 0            | 0  | 2    |
| PL.21245     | PL.23218    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 8.412             | 0.054          | 0          | 0            | 0  | 1    |
| 057622       | PL.21245    | A   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 8.412             | 0.000          | 7          | 1            | 1  | 1    |
| PL.21248     | PL.23218    | A   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 1.16         | 1        | 17         | 2    | 99      | 0.00       | 0.0               | 8.399             | 0.041          | 0          | 0            | 0  | 1    |
| 057632       | PL.21248    | A   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 1.16         | 0        | 17         | 2    | 99      | 0.00       | 0.0               | 8.399             | 0.000          | 17         | 2            | 1  | 1    |
| PL.9460      | PL.9454     | A   | 397ACSR            | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 8.668             | 0.381          | 0          | 0            | 0  | 3    |
|              |             | B   |                    | 15.10Y    | 125.8        | 0.00            | 0.16                     | 1.25         | 0        | 19         | 2    | 99      |            |                   |                   |                | 0          | 0            | 0  | 2    |
|              |             | C   |                    | 15.11Y    | 125.9        | -0.00           | 0.07                     | 0.21         | 0        | 3          | 0    | 99      |            |                   |                   |                | 0          | 0            | 0  | 3    |
| PL.9461      | PL.9460     | A   | 397ACSR            | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 8.779             | 0.111          | 0          | 0            | 0  | 3    |
|              |             | B   |                    | 15.10Y    | 125.8        | 0.00            | 0.16                     | 1.25         | 0        | 19         | 2    | 99      |            |                   |                   |                | 0          | 0            | 0  | 2    |
|              |             | C   |                    | 15.11Y    | 125.9        | -0.00           | 0.07                     | 0.21         | 0        | 3          | 0    | 99      |            |                   |                   |                | 0          | 0            | 0  | 3    |
| PL.28337     | PL.9461     | A   | 397ACSR            | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 8.866             | 0.087          | 0          | 0            | 0  | 3    |
|              |             | B   |                    | 15.10Y    | 125.8        | 0.00            | 0.16                     | 1.25         | 0        | 19         | 2    | 99      |            |                   |                   |                | 0          | 0            | 0  | 2    |
|              |             | C   |                    | 15.11Y    | 125.9        | -0.00           | 0.07                     | 0.20         | 0        | 3          | 0    | 99      |            |                   |                   |                | 0          | 0            | 0  | 2    |
| PL.28338     | PL.28337    | A   | 397ACSR            | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 8.983             | 0.117          | 0          | 0            | 0  | 3    |
|              |             | B   |                    | 15.10Y    | 125.8        | 0.00            | 0.16                     | 1.25         | 0        | 19         | 2    | 99      |            |                   |                   |                | 0          | 0            | 0  | 2    |
|              |             | C   |                    | 15.11Y    | 125.9        | -0.00           | 0.07                     | 0.20         | 0        | 3          | 0    | 99      |            |                   |                   |                | 0          | 0            | 0  | 2    |
| PL.9459      | PL.28338    | A   | 397ACSR            | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.076             | 0.093          | 0          | 0            | 0  | 1    |
|              |             | B   |                    | 15.10Y    | 125.8        | 0.00            | 0.16                     | 1.25         | 0        | 19         | 2    | 99      |            |                   |                   |                | 0          | 0            | 0  | 2    |
|              |             | C   |                    | 15.11Y    | 125.9        | -0.00           | 0.07                     | 0.20         | 0        | 3          | 0    | 99      |            |                   |                   |                | 0          | 0            | 0  | 2    |
| 057613       | PL.9459     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.07                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.076             | 0.000          | 0          | 0            | 1  | 1    |
| 057609       | PL.9459     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.07                     | 0.19         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 9.076             | 0.000          | 3          | 0            | 1  | 1    |

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.46086, PL.46524, etc.

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and '-Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |                   |                  |            |           |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|-------------------|------------------|------------|-----------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>%<br>Amps | Thru<br>%<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.21768     | PL.28414    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.72              | 0                | 11         | 1         | 100        | 0.00      | 0.0               | 7.605                               | 0.059 | 0    | 0          | 0            | 1 |
| 058512       | PL.21768    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.72              | 0                | 11         | 1         | 100        | 0.00      | 0.0               | 7.605                               | 0.000 | 11   | 1          | 1            | 1 |
| 058513       | PL.28413    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.65              | 0                | 25         | 3         | 99         | 0.00      | 0.0               | 7.518                               | 0.000 | 25   | 3          | 1            | 1 |
| PL.21765     | PL.23224    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 3.01              | 2                | 45         | 8         | 98         | 0.00      | 0.0               | 7.504                               | 0.035 | 0    | 0          | 0            | 7 |
| 058509       | PL.21765    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.40              | 0                | 5          | 3         | 86         | 0.00      | 0.0               | 7.504                               | 0.000 | 5    | 3          | 1            | 1 |
| PL.21766     | PL.21765    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 2.29              | 1                | 34         | 4         | 99         | 0.00      | 0.0               | 7.553                               | 0.048 | 0    | 0          | 0            | 4 |
| PL.21764     | PL.21766    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.76              | 1                | 26         | 3         | 99         | 0.00      | 0.0               | 7.677                               | 0.124 | 0    | 0          | 0            | 3 |
| 058502       | PL.21764    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.60              | 0                | 9          | 1         | 99         | 0.00      | 0.0               | 7.677                               | 0.000 | 9    | 1          | 1            | 1 |
| 058508       | PL.21764    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.57              | 0                | 9          | 1         | 99         | 0.00      | 0.0               | 7.677                               | 0.000 | 9    | 1          | 1            | 1 |
| 058511       | PL.21764    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.58              | 0                | 9          | 1         | 99         | 0.00      | 0.0               | 7.677                               | 0.000 | 9    | 1          | 1            | 1 |
| 058510       | PL.21766    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.53              | 0                | 8          | 1         | 99         | 0.00      | 0.0               | 7.553                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.21767     | PL.21765    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.34              | 0                | 5          | 1         | 98         | 0.00      | 0.0               | 7.535                               | 0.030 | 0    | 0          | 0            | 2 |
| 058507       | PL.21767    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.25              | 0                | 4          | 0         | 100        | 0.00      | 0.0               | 7.535                               | 0.000 | 4    | 0          | 1            | 1 |
| 058506       | PL.21767    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.00              | 0                | 0          | 0         | 100        | 0.00      | 0.0               | 7.535                               | 0.000 | 0    | 0          | 0            | 0 |
| 058515       | PL.21767    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.09              | 0                | 1          | 0         | 100        | 0.00      | 0.0               | 7.535                               | 0.000 | 1    | 0          | 1            | 1 |
| 530903       | PL.9439     | B   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.32              | 0                | 5          | 1         | 98         | 0.00      | 0.0               | 7.171                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.34498     | PL.19630    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.96              | 1                | 29         | 8         | 96         | 0.00      | 0.0               | 7.023                               | 0.004 | 0    | 0          | 0            | 4 |
| PD.4829      | PL.34498    | C   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.96              | 33               | 29         | 8         | 96         | 0.00      | 0.0               | 7.023                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.34499     | PD.4829     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.96              | 1                | 29         | 8         | 96         | 0.00      | 0.0               | 7.070                               | 0.048 | 0    | 0          | 0            | 4 |
| PL.16067     | PL.34499    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.96              | 0                | 14         | 2         | 99         | 0.00      | 0.0               | 7.087                               | 0.016 | 0    | 0          | 0            | 2 |
| PL.6969      | PL.16067    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.41              | 0                | 6          | 1         | 99         | 0.00      | 0.0               | 7.108                               | 0.021 | 0    | 0          | 0            | 1 |
| 531705       | PL.6969     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.41              | 0                | 6          | 1         | 99         | 0.00      | 0.0               | 7.108                               | 0.000 | 6    | 1          | 1            | 1 |
| 531706       | PL.16067    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.55              | 0                | 8          | 1         | 99         | 0.00      | 0.0               | 7.087                               | 0.000 | 8    | 1          | 1            | 1 |
| 531701       | PL.34499    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.16              | 0                | 2          | 0         | 100        | 0.00      | 0.0               | 7.070                               | 0.000 | 2    | 0          | 1            | 1 |
| 531703       | PL.34499    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.87              | 0                | 12         | 6         | 89         | 0.00      | 0.0               | 7.070                               | 0.000 | 12   | 6          | 1            | 1 |
| 532707       | PL.19629    | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.08              | 0                | 1          | 0         | 100        | 0.00      | 0.0               | 6.936                               | 0.000 | 1    | 0          | 1            | 1 |
| 532705       | PL.19629    | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.52              | 0                | 8          | 1         | 99         | 0.00      | 0.0               | 6.936                               | 0.000 | 8    | 1          | 1            | 1 |
| 532706       | PL.19629    | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.82              | 0                | 12         | 2         | 99         | 0.00      | 0.0               | 6.936                               | 0.000 | 12   | 2          | 1            | 1 |
| PL.34496     | PL.9437     | B   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.61              | 0                | 9          | 1         | 99         | 0.00      | 0.0               | 6.832                               | 0.005 | 0    | 0          | 0            | 2 |
| PD.4828      | PL.34496    | B   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.61              | 10               | 9          | 1         | 99         | 0.00      | 0.0               | 6.832                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.34497     | PD.4828     | B   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.61              | 0                | 9          | 1         | 99         | 0.00      | 0.0               | 6.890                               | 0.058 | 0    | 0          | 0            | 2 |
| 5327001      | PL.34497    | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.00              | 0                | 0          | 0         | 100        | 0.00      | 0.0               | 6.890                               | 0.000 | 0    | 0          | 0            | 0 |
| 532701       | PL.34497    | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.35              | 0                | 5          | 1         | 98         | 0.00      | 0.0               | 6.890                               | 0.000 | 5    | 1          | 1            | 1 |
| 532704       | PL.34497    | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.26              | 0                | 4          | 1         | 97         | 0.00      | 0.0               | 6.890                               | 0.000 | 4    | 1          | 1            | 1 |
| 532601       | PL.34497    | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.00              | 0                | 0          | 0         | 100        | 0.00      | 0.0               | 6.890                               | 0.000 | 0    | 0          | 0            | 0 |
| 534610       | PL.9397     | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.31              | 0                | 5          | 1         | 98         | 0.00      | 0.0               | 6.716                               | 0.000 | 5    | 1          | 1            | 1 |
| 534606       | PL.9397     | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.17              | 0                | 3          | 0         | 100        | 0.00      | 0.0               | 6.716                               | 0.000 | 3    | 0          | 1            | 1 |
| 534603       | PL.9397     | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.18              | 0                | 3          | 0         | 100        | 0.00      | 0.0               | 6.716                               | 0.000 | 3    | 0          | 1            | 1 |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 534613       | PL.9396     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10   | 0.23         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 6.685                               | 0.000 | 3    | 0          | 1            | 1  |
| 534609       | PL.9396     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10   | 0.29         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 6.685                               | 0.000 | 4    | 1          | 1            | 1  |
| 534607       | PL.9396     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10   | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 6.685                               | 0.000 | 8    | 1          | 1            | 1  |
| 534614       | PL.9396     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10   | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 6.685                               | 0.000 | 5    | 1          | 1            | 1  |
| 534608       | PL.9396     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10   | 0.75         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 6.685                               | 0.000 | 11   | 1          | 1            | 1  |
| 534612       | PL.9396     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10   | 0.32         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 6.685                               | 0.000 | 5    | 1          | 1            | 1  |
| 536505       | PL.9390     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10   | 0.06         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 6.392                               | 0.000 | 1    | 0          | 1            | 1  |
| 536603       | PL.9390     | B   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.392                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.7374      | PL.199      | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.09   | 10.60        | 5        | 159        | 21      | 99         | 0.00      | 0.0               | 6.155                               | 0.012 | 0    | 0          | 0            | 23 |
| PL.9387      | PL.7374     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.01            | 0.11   | 10.11        | 5        | 152        | 20      | 99         | 0.02      | 0.0               | 6.222                               | 0.066 | 0    | 0          | 0            | 22 |
| PL.3508      | PL.9387     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11   | 1.09         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 6.362                               | 0.140 | 0    | 0          | 0            | 1  |
| 537801       | PL.3508     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11   | 1.09         | 0        | 16         | 2       | 99         | 0.00      | 0.0               | 6.362                               | 0.000 | 16   | 2          | 1            | 1  |
| PL.9388      | PL.9387     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.01            | 0.12   | 9.03         | 5        | 135        | 18      | 99         | 0.01      | 0.0               | 6.281                               | 0.060 | 0    | 0          | 0            | 21 |
| PL.16659     | PL.9388     | C   | 4ACSR              | 15.10Y    | 125.9        | 0.02            | 0.14   | 8.26         | 4        | 124        | 16      | 99         | 0.02      | 0.0               | 6.423                               | 0.141 | 0    | 0          | 0            | 20 |
| PD.3717      | PL.16659    | C   | 50V4E              | 15.10Y    | 125.9        | 0.00            | 0.14   | 8.26         | 0        | 124        | 16      | 99         | 0.00      | 0.0               | 6.423                               | 0.000 | 0    | 0          | 0            | 20 |
| PL.16660     | PD.3717     | C   | 4ACSR              | 15.10Y    | 125.8        | 0.01            | 0.16   | 8.26         | 4        | 124        | 16      | 99         | 0.01      | 0.0               | 6.498                               | 0.075 | 0    | 0          | 0            | 20 |
| PL.9385      | PL.16660    | C   | 4ACSR              | 15.10Y    | 125.8        | 0.02            | 0.18   | 8.26         | 4        | 124        | 16      | 99         | 0.02      | 0.0               | 6.630                               | 0.133 | 0    | 0          | 0            | 20 |
| PL.9386      | PL.9385     | C   | 4ACSR              | 15.09Y    | 125.8        | 0.04            | 0.22   | 7.90         | 4        | 118        | 15      | 99         | 0.04      | 0.0               | 6.887                               | 0.257 | 0    | 0          | 0            | 18 |
| PL.22028     | PL.9386     | C   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.22   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.080                               | 0.193 | 0    | 0          | 0            | 0  |
| PL.22031     | PL.22028    | C   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.22   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.136                               | 0.055 | 0    | 0          | 0            | 0  |
| 059607       | PL.22031    | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.136                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.9384      | PL.9386     | C   | 4ACSR              | 15.09Y    | 125.8        | 0.01            | 0.23   | 7.90         | 4        | 118        | 15      | 99         | 0.01      | 0.0               | 6.945                               | 0.058 | 0    | 0          | 0            | 18 |
| PL.22029     | PL.9384     | C   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.24   | 0.72         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 7.026                               | 0.081 | 0    | 0          | 0            | 2  |
| PL.22021     | PL.22029    | C   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.24   | 0.72         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 7.170                               | 0.144 | 0    | 0          | 0            | 2  |
| PL.22692     | PL.22021    | C   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.24   | 0.72         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 7.181                               | 0.010 | 0    | 0          | 0            | 2  |
| PL.22360     | PL.22692    | C   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.24   | 0.72         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 7.201                               | 0.020 | 0    | 0          | 0            | 2  |
| PL.22361     | PL.22360    | C   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.24   | 0.27         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 7.331                               | 0.130 | 0    | 0          | 0            | 1  |
| 110601       | PL.22361    | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.24   | 0.27         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 7.331                               | 0.000 | 4    | 1          | 1            | 1  |
| 059610       | PL.22360    | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.24   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.201                               | 0.000 | 0    | 0          | 0            | 0  |
| 110615       | PL.22360    | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.24   | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 7.201                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.9383      | PL.9384     | C   | 4ACSR              | 15.09Y    | 125.7        | 0.02            | 0.25   | 7.18         | 4        | 107        | 14      | 99         | 0.02      | 0.0               | 7.070                               | 0.125 | 0    | 0          | 0            | 16 |
| PL.9381      | PL.9383     | C   | 4ACSR              | 15.09Y    | 125.7        | 0.01            | 0.27   | 6.58         | 3        | 98         | 13      | 99         | 0.01      | 0.0               | 7.161                               | 0.090 | 0    | 0          | 0            | 15 |
| PL.9382      | PL.9381     | C   | 4ACSR              | 15.09Y    | 125.7        | 0.01            | 0.27   | 5.88         | 3        | 88         | 11      | 99         | 0.01      | 0.0               | 7.227                               | 0.066 | 0    | 0          | 0            | 14 |
| PL.9622      | PL.9382     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.02            | 0.29   | 5.88         | 3        | 88         | 11      | 99         | 0.01      | 0.0               | 7.373                               | 0.146 | 0    | 0          | 0            | 14 |
| PL.9621      | PL.9622     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30   | 5.41         | 3        | 81         | 11      | 99         | 0.00      | 0.0               | 7.399                               | 0.026 | 0    | 0          | 0            | 13 |
| PL.22022     | PL.9621     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30   | 0.37         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.556                               | 0.157 | 0    | 0          | 0            | 1  |
| PL.22358     | PL.22022    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30   | 0.37         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.560                               | 0.004 | 0    | 0          | 0            | 1  |
| PL.22359     | PL.22358    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.594                               | 0.034 | 0    | 0          | 0            | 0  |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 110610       | PL.22358    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.37         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.560                               | 0.000 | 6    | 1          | 1            | 1  |
| 0596016      | PL.9621     | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.81         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 7.399                               | 0.000 | 12   | 2          | 1            | 1  |
| PL.9620      | PL.9621     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30                     | 4.23         | 2        | 63         | 8       | 99         | 0.00      | 0.0               | 7.437                               | 0.037 | 0    | 0          | 0            | 11 |
| PL.22023     | PL.9620     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30                     | 1.17         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 7.523                               | 0.087 | 0    | 0          | 0            | 2  |
| PL.249       | PL.22023    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.525                               | 0.002 | 0    | 0          | 0            | 0  |
| PL.22693     | PL.22023    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30                     | 1.17         | 1        | 18         | 2       | 99         | 0.00      | 0.0               | 7.565                               | 0.041 | 0    | 0          | 0            | 2  |
| 110612       | PL.22693    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.91         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 7.565                               | 0.000 | 14   | 2          | 1            | 1  |
| PL.22694     | PL.22693    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.26         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 7.637                               | 0.072 | 0    | 0          | 0            | 1  |
| PL.22690     | PL.22694    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.26         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 7.814                               | 0.177 | 0    | 0          | 0            | 1  |
| 110614       | PL.22690    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.26         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 7.814                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.9619      | PL.9620     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30                     | 2.31         | 1        | 35         | 4       | 99         | 0.00      | 0.0               | 7.512                               | 0.075 | 0    | 0          | 0            | 8  |
| 059614       | PL.9619     | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.512                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.9618      | PL.9619     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30                     | 1.52         | 1        | 23         | 3       | 99         | 0.00      | 0.0               | 7.557                               | 0.046 | 0    | 0          | 0            | 5  |
| PL.9162      | PL.9618     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30                     | 1.52         | 1        | 23         | 3       | 99         | 0.00      | 0.0               | 7.573                               | 0.015 | 0    | 0          | 0            | 5  |
| PL.22691     | PL.9162     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.52         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 7.673                               | 0.101 | 0    | 0          | 0            | 2  |
| 110605       | PL.22691    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.47         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 7.673                               | 0.000 | 7    | 1          | 1            | 1  |
| 110616       | PL.22691    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 7.673                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.9163      | PL.9162     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.31                     | 1.01         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 7.688                               | 0.115 | 0    | 0          | 0            | 3  |
| PL.9161      | PL.9163     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.31                     | 1.01         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 7.808                               | 0.121 | 0    | 0          | 0            | 3  |
| 110609       | PL.9161     | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.35         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 7.808                               | 0.000 | 5    | 1          | 1            | 1  |
| PL.5329      | PL.9161     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.65         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 7.915                               | 0.107 | 0    | 0          | 0            | 2  |
| PL.9519      | PL.5329     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.12         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.040                               | 0.125 | 0    | 0          | 0            | 1  |
| PL.41077     | PL.9519     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.126                               | 0.086 | 0    | 0          | 0            | 0  |
| PD.7352-A    | PL.41077    | C   | Open               | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.126                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.22689     | PL.9519     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.12         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.074                               | 0.034 | 0    | 0          | 0            | 1  |
| 110607       | PL.22689    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.12         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.074                               | 0.000 | 2    | 0          | 1            | 1  |
| 110611       | PL.5329     | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 7.915                               | 0.000 | 8    | 1          | 1            | 1  |
| 110613       | PL.9163     | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.688                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.29005     | PL.9619     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.78         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 7.512                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.28402     | PL.29005    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.78         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 7.720                               | 0.208 | 0    | 0          | 0            | 2  |
| 059611       | PL.28402    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.37         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.720                               | 0.000 | 6    | 1          | 1            | 1  |
| 0596017      | PL.28402    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.41         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.720                               | 0.000 | 6    | 1          | 1            | 1  |
| 059612       | PL.9620     | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.74         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 7.437                               | 0.000 | 11   | 1          | 1            | 1  |
| PL.3678      | PL.9622     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.29                     | 0.47         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 7.434                               | 0.061 | 0    | 0          | 0            | 1  |
| 059613       | PL.3678     | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.29                     | 0.47         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 7.434                               | 0.000 | 7    | 1          | 1            | 1  |
| 059604       | PL.9382     | C   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.227                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.22030     | PL.9381     | C   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.27                     | 0.70         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 7.204                               | 0.043 | 0    | 0          | 0            | 1  |
| 059603       | PL.22030    | C   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.27                     | 0.70         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 7.204                               | 0.000 | 11   | 1          | 1            | 1  |



Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' with a base voltage of 120.0.

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data rows for various elements like PL.22948, PL.33898, etc.

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.46015     | PD.43-B     | C   | 4ACSR              | 14.77Y    | 123.1        | 0.10            | 2.89   | 27.23        | 14       | 399        | 55   | 99      | 0.32       | 0.1               | 3.907                               | 0.180 | 0    | 0          | 0            | 87        |
| PL.27645     | PL.46015    | C   | 4ACSR              | 14.77Y    | 123.0        | 0.06            | 2.95   | 27.01        | 14       | 395        | 54   | 99      | 0.19       | 0.0               | 4.014                               | 0.107 | 0    | 0          | 0            | 85        |
| PL.27644     | PL.27645    | C   | 4ACSR              | 14.76Y    | 123.0        | 0.03            | 2.99   | 27.01        | 14       | 395        | 54   | 99      | 0.10       | 0.0               | 4.072                               | 0.058 | 0    | 0          | 0            | 84        |
| 112540       | PL.27644    | C   | Consumer           | 14.76Y    | 123.0        | 0.00            | 2.99   | 0.05         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.072                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.5342      | PL.27644    | C   | 4ACSR              | 14.76Y    | 123.0        | 0.05            | 3.04   | 26.97        | 14       | 394        | 54   | 99      | 0.15       | 0.0               | 4.160                               | 0.088 | 0    | 0          | 0            | 83        |
| PL.16813     | PL.5342     | C   | 4ACSR              | 14.75Y    | 123.0        | 0.01            | 3.05   | 26.25        | 14       | 384        | 53   | 99      | 0.03       | 0.0               | 4.179                               | 0.019 | 0    | 0          | 0            | 82        |
| PD.3287      | PL.16813    | C   | 50E                | 14.75Y    | 123.0        | 0.00            | 3.05   | 26.25        | 53       | 384        | 53   | 99      | 0.00       | 0.0               | 4.179                               | 0.000 | 0    | 0          | 0            | 82        |
| PL.16812     | PD.3287     | C   | 4ACSR              | 14.75Y    | 123.0        | 0.00            | 3.05   | 26.25        | 14       | 384        | 53   | 99      | 0.01       | 0.0               | 4.185                               | 0.006 | 0    | 0          | 0            | 82        |
| PL.5347      | PL.16812    | C   | 4ACSR              | 14.75Y    | 122.9        | 0.00            | 3.05   | 26.25        | 14       | 384        | 53   | 99      | 0.01       | 0.0               | 4.192                               | 0.008 | 0    | 0          | 0            | 82        |
| PL.5346      | PL.5347     | C   | 4ACSR              | 14.75Y    | 122.9        | 0.04            | 3.09   | 26.25        | 14       | 384        | 53   | 99      | 0.12       | 0.0               | 4.263                               | 0.071 | 0    | 0          | 0            | 81        |
| PL.25064     | PL.5346     | C   | 4ACSR              | 14.75Y    | 122.9        | 0.03            | 3.12   | 25.42        | 13       | 371        | 51   | 99      | 0.09       | 0.0               | 4.320                               | 0.056 | 0    | 0          | 0            | 79        |
| 112517       | PL.25064    | C   | Consumer           | 14.75Y    | 122.9        | 0.00            | 3.12   | 0.12         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.320                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.16814     | PL.25064    | C   | 4ACSR              | 14.75Y    | 122.9        | 0.00            | 3.12   | 0.85         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 4.329                               | 0.009 | 0    | 0          | 0            | 3         |
| PD.791       | PL.16814    | C   | fuse6AMP           | 14.75Y    | 122.9        | 0.00            | 3.12   | 0.85         | 15       | 12         | 2    | 99      | 0.00       | 0.0               | 4.329                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.21323     | PD.791      | C   | 4ACSR              | 14.74Y    | 122.9        | 0.00            | 3.13   | 0.85         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 4.379                               | 0.050 | 0    | 0          | 0            | 3         |
| 112534       | PL.21323    | C   | Consumer           | 14.74Y    | 122.9        | 0.00            | 3.13   | 0.31         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.379                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.21630     | PL.21323    | C   | 4ACSR              | 14.74Y    | 122.9        | 0.00            | 3.13   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.419                               | 0.040 | 0    | 0          | 0            | 1         |
| 112550       | PL.21630    | C   | Consumer           | 14.74Y    | 122.9        | 0.00            | 3.13   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.419                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.21626     | PL.21323    | C   | 4ACSR              | 14.74Y    | 122.9        | 0.00            | 3.13   | 0.53         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.487                               | 0.108 | 0    | 0          | 0            | 1         |
| 112524       | PL.21626    | C   | Consumer           | 14.74Y    | 122.9        | 0.00            | 3.13   | 0.53         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.487                               | 0.000 | 8    | 1          | 1            | 1         |
| PL.25063     | PL.25064    | C   | 4ACSR              | 14.72Y    | 122.7        | 0.18            | 3.31   | 24.45        | 13       | 357        | 49   | 99      | 0.50       | 0.1               | 4.668                               | 0.348 | 0    | 0          | 0            | 75        |
| 112511       | PL.25063    | C   | Consumer           | 14.72Y    | 122.7        | 0.00            | 3.31   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.668                               | 0.000 | 0    | 0          | 1            | 1         |
| 112510       | PL.25063    | C   | Consumer           | 14.72Y    | 122.7        | 0.00            | 3.31   | 0.14         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.668                               | 0.000 | 2    | 0          | 1            | 1         |
| 112519       | PL.25063    | C   | Consumer           | 14.72Y    | 122.7        | 0.00            | 3.31   | 0.05         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.668                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.25065     | PL.25063    | C   | 4ACSR              | 14.71Y    | 122.6        | 0.08            | 3.39   | 24.27        | 13       | 354        | 49   | 99      | 0.23       | 0.1               | 4.831                               | 0.163 | 0    | 0          | 0            | 72        |
| PL.28245     | PL.25065    | C   | 4ACSR              | 14.71Y    | 122.6        | 0.00            | 3.39   | 8.77         | 5        | 128        | 19   | 99      | 0.00       | 0.0               | 4.853                               | 0.022 | 0    | 0          | 0            | 19        |
| C PD.785     | PL.28245    | C   | fuse6AMP           | 14.71Y    | 122.6        | 0.00            | 3.39   | 8.77         | 150      | 128        | 19   | 99      | 0.00       | 0.0               | 4.853                               | 0.000 | 0    | 0          | 0            | 19 C      |
| PL.28246     | PD.785      | C   | 4ACSR              | 14.71Y    | 122.6        | 0.01            | 3.41   | 8.77         | 5        | 128        | 19   | 99      | 0.01       | 0.0               | 4.915                               | 0.062 | 0    | 0          | 0            | 19        |
| 112530       | PL.28246    | C   | Consumer           | 14.71Y    | 122.6        | 0.00            | 3.41   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.915                               | 0.000 | 0    | 0          | 1            | 1         |
| 112512       | PL.28246    | C   | Consumer           | 14.71Y    | 122.6        | 0.00            | 3.41   | 0.88         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 4.915                               | 0.000 | 13   | 2          | 1            | 1         |
| 112523       | PL.28246    | C   | Consumer           | 14.71Y    | 122.6        | 0.00            | 3.41   | 0.11         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.915                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.28594     | PL.28246    | C   | 4ACSR              | 14.71Y    | 122.6        | 0.01            | 3.41   | 7.77         | 4        | 113        | 17   | 99      | 0.01       | 0.0               | 4.957                               | 0.042 | 0    | 0          | 0            | 16        |
| PL.28595     | PL.28594    | C   | 4ACSR              | 14.71Y    | 122.6        | 0.01            | 3.42   | 7.63         | 4        | 111        | 17   | 99      | 0.00       | 0.0               | 4.989                               | 0.032 | 0    | 0          | 0            | 15        |
| 112549       | PL.28595    | C   | Consumer           | 14.71Y    | 122.6        | 0.00            | 3.42   | 0.65         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.989                               | 0.000 | 9    | 1          | 1            | 1         |
| 112546       | PL.28595    | C   | Consumer           | 14.71Y    | 122.6        | 0.00            | 3.42   | 0.57         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.989                               | 0.000 | 8    | 1          | 1            | 1         |
| PL.28307     | PL.28595    | C   | 4ACSR              | 14.71Y    | 122.6        | 0.01            | 3.43   | 6.41         | 3        | 93         | 15   | 99      | 0.01       | 0.0               | 5.059                               | 0.070 | 0    | 0          | 0            | 13        |
| PL.28308     | PL.28307    | C   | 4ACSR              | 14.71Y    | 122.6        | 0.01            | 3.44   | 4.53         | 2        | 66         | 11   | 99      | 0.00       | 0.0               | 5.138                               | 0.079 | 0    | 0          | 0            | 9         |
| PL.28311     | PL.28308    | C   | 4ACSR              | 14.71Y    | 122.6        | 0.00            | 3.44   | 2.25         | 1        | 33         | 4    | 99      | 0.00       | 0.0               | 5.211                               | 0.073 | 0    | 0          | 0            | 5         |

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for Units Displayed In Volts and Base Voltage:120.0-

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.22921     | PL.22915    | C   | 4ACSR              | 14.70Y    | 122.5        | 0.00            | 3.52                     | 1.08         | 1        | 16         | 1    | 100     | 0.00       | 0.0               | 5.615                               | 0.115 | 0    | 0          | 0            | 2         |
| PL.35037     | PL.22921    | C   | 1/0EPRJCN          | 14.70Y    | 122.5        | 0.00            | 3.52                     | 0.25         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 5.617                               | 0.002 | 0    | 0          | 0            | 1         |
| PD.5183      | PL.35037    | C   | fuse6AMP           | 14.70Y    | 122.5        | 0.00            | 3.52                     | 0.25         | 4        | 4          | 0    | 100     | 0.00       | 0.0               | 5.617                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.35038     | PD.5183     | C   | 1/0EPRJCN          | 14.70Y    | 122.5        | 0.00            | 3.52                     | 0.25         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 5.666                               | 0.049 | 0    | 0          | 0            | 1         |
| 1125052      | PL.35038    | C   | Consumer           | 14.70Y    | 122.5        | 0.00            | 3.52                     | 0.25         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 5.666                               | 0.000 | 4    | 0          | 1            | 1         |
| 112618       | PL.22921    | C   | Consumer           | 14.70Y    | 122.5        | 0.00            | 3.52                     | 0.83         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 5.615                               | 0.000 | 12   | 2          | 1            | 1         |
| PL.25069     | PL.25070    | C   | 4ACSR              | 14.70Y    | 122.5        | 0.00            | 3.51                     | 12.56        | 6        | 183        | 25   | 99      | 0.00       | 0.0               | 5.190                               | 0.000 | 0    | 0          | 0            | 45        |
| PL.5331      | PL.25069    | C   | 4ACSR              | 14.69Y    | 122.4        | 0.05            | 3.56                     | 12.56        | 6        | 183        | 25   | 99      | 0.07       | 0.0               | 5.377                               | 0.187 | 0    | 0          | 0            | 45        |
| PL.5330      | PL.5331     | C   | 4ACSR              | 14.69Y    | 122.4        | 0.03            | 3.59                     | 12.52        | 6        | 182        | 24   | 99      | 0.04       | 0.0               | 5.485                               | 0.108 | 0    | 0          | 0            | 44        |
| 112613       | PL.5330     | C   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.59                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.485                               | 0.000 | 0    | 0          | 1            | 1         |
| 112601       | PL.5330     | C   | Consumer           | 14.69Y    | 122.4        | 0.00            | 3.59                     | 0.82         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 5.485                               | 0.000 | 12   | 2          | 1            | 1         |
| PL.16816     | PL.5330     | C   | 4ACSR              | 14.69Y    | 122.4        | 0.00            | 3.59                     | 11.46        | 6        | 167        | 22   | 99      | 0.01       | 0.0               | 5.502                               | 0.018 | 0    | 0          | 0            | 41        |
| PD.34-A      | PL.16816    | C   | Closed             | 14.69Y    | 122.4        | 0.00            | 3.59                     | 11.46        | 0        | 167        | 22   | 99      | 0.00       | 0.0               | 5.502                               | 0.000 | 0    | 0          | 0            | 41        |
| PD.34-B      | PD.34-A     | C   | Closed             | 14.69Y    | 122.4        | 0.00            | 3.59                     | 11.46        | 0        | 167        | 22   | 99      | 0.00       | 0.0               | 5.502                               | 0.000 | 0    | 0          | 0            | 41        |
| PL.16815     | PD.34-B     | C   | 4ACSR              | 14.68Y    | 122.4        | 0.06            | 3.65                     | 11.46        | 6        | 167        | 22   | 99      | 0.07       | 0.0               | 5.739                               | 0.236 | 0    | 0          | 0            | 41        |
| PL.25071     | PL.16815    | C   | 4ACSR              | 14.68Y    | 122.3        | 0.02            | 3.67                     | 10.68        | 6        | 155        | 21   | 99      | 0.03       | 0.0               | 5.831                               | 0.092 | 0    | 0          | 0            | 39        |
| PL.36525     | PL.25071    | C   | 4ACSR              | 14.68Y    | 122.3        | 0.00            | 3.67                     | 10.44        | 5        | 152        | 20   | 99      | 0.00       | 0.0               | 5.845                               | 0.014 | 0    | 0          | 0            | 37        |
| PD.5659-A    | PL.36525    | C   | Closed             | 14.68Y    | 122.3        | 0.00            | 3.67                     | 10.44        | 0        | 152        | 20   | 99      | 0.00       | 0.0               | 5.845                               | 0.000 | 0    | 0          | 0            | 37        |
| PD.5659-B    | PD.5659-A   | C   | Closed             | 14.68Y    | 122.3        | 0.00            | 3.67                     | 10.44        | 0        | 152        | 20   | 99      | 0.00       | 0.0               | 5.845                               | 0.000 | 0    | 0          | 0            | 37        |
| PL.36524     | PD.5659-B   | C   | 4ACSR              | 14.68Y    | 122.3        | 0.01            | 3.69                     | 10.44        | 5        | 152        | 20   | 99      | 0.02       | 0.0               | 5.907                               | 0.062 | 0    | 0          | 0            | 37        |
| 112611       | PL.36524    | C   | Consumer           | 14.68Y    | 122.3        | 0.00            | 3.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.907                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.9377      | PL.36524    | C   | 4ACSR              | 14.67Y    | 122.3        | 0.04            | 3.72                     | 10.43        | 5        | 152        | 20   | 99      | 0.04       | 0.0               | 6.070                               | 0.163 | 0    | 0          | 0            | 36        |
| PL.9376      | PL.9377     | C   | 4ACSR              | 14.67Y    | 122.3        | 0.02            | 3.74                     | 9.86         | 5        | 143        | 19   | 99      | 0.03       | 0.0               | 6.178                               | 0.108 | 0    | 0          | 0            | 35        |
| PL.9379      | PL.9376     | C   | 4ACSR              | 14.67Y    | 122.2        | 0.01            | 3.75                     | 9.86         | 5        | 143        | 19   | 99      | 0.01       | 0.0               | 6.215                               | 0.037 | 0    | 0          | 0            | 35        |
| PL.9378      | PL.9379     | C   | 4ACSR              | 14.67Y    | 122.2        | 0.02            | 3.77                     | 9.85         | 5        | 143        | 19   | 99      | 0.02       | 0.0               | 6.312                               | 0.097 | 0    | 0          | 0            | 34        |
| PL.4840      | PL.9378     | C   | 4ACSR              | 14.66Y    | 122.2        | 0.05            | 3.83                     | 9.85         | 5        | 143        | 19   | 99      | 0.06       | 0.0               | 6.566                               | 0.254 | 0    | 0          | 0            | 34        |
| PL.4838      | PL.4840     | C   | 4ACSR              | 14.66Y    | 122.2        | 0.02            | 3.85                     | 7.51         | 4        | 109        | 14   | 99      | 0.02       | 0.0               | 6.714                               | 0.148 | 0    | 0          | 0            | 27        |
| PL.17756     | PL.4838     | C   | 4ACSR              | 14.66Y    | 122.1        | 0.01            | 3.86                     | 7.38         | 4        | 107        | 14   | 99      | 0.01       | 0.0               | 6.765                               | 0.050 | 0    | 0          | 0            | 26        |
| PD.39-A      | PL.17756    | C   | Closed             | 14.66Y    | 122.1        | 0.00            | 3.86                     | 7.38         | 0        | 107        | 14   | 99      | 0.00       | 0.0               | 6.765                               | 0.000 | 0    | 0          | 0            | 26        |
| PD.39-B      | PD.39-A     | C   | Closed             | 14.66Y    | 122.1        | 0.00            | 3.86                     | 7.38         | 0        | 107        | 14   | 99      | 0.00       | 0.0               | 6.765                               | 0.000 | 0    | 0          | 0            | 26        |
| PL.17757     | PD.39-B     | C   | 4ACSR              | 14.66Y    | 122.1        | 0.00            | 3.86                     | 7.38         | 4        | 107        | 14   | 99      | 0.00       | 0.0               | 6.773                               | 0.009 | 0    | 0          | 0            | 26        |
| PL.22934     | PL.17757    | C   | 4ACSR              | 14.66Y    | 122.1        | 0.00            | 3.86                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.844                               | 0.071 | 0    | 0          | 0            | 0         |
| PL.10259     | PL.17757    | C   | 4ACSR              | 14.65Y    | 122.1        | 0.04            | 3.90                     | 7.38         | 4        | 107        | 14   | 99      | 0.04       | 0.0               | 7.055                               | 0.282 | 0    | 0          | 0            | 26        |
| PL.22933     | PL.10259    | C   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.91                     | 0.61         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 7.203                               | 0.148 | 0    | 0          | 0            | 4         |
| PL.22377     | PL.22933    | C   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.91                     | 0.23         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 7.323                               | 0.120 | 0    | 0          | 0            | 2         |
| 113611       | PL.22377    | C   | Consumer           | 14.65Y    | 122.1        | 0.00            | 3.91                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.323                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.22378     | PL.22377    | C   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.91                     | 0.23         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 7.377                               | 0.054 | 0    | 0          | 0            | 1         |
| PL.45410     | PL.22378    | C   | 2ACSR              | 14.65Y    | 122.1        | 0.00            | 3.91                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.611                               | 0.233 | 0    | 0          | 0            | 0         |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| 1146014      | PL.45410    | C   | Consumer           | 14.65Y    | 122.1        | 0.00            | 3.91                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.611                               | 0.000 | 0    | 0          | 0            | 0    |
| 113610       | PL.22378    | C   | Consumer           | 14.65Y    | 122.1        | 0.00            | 3.91                     | 0.23         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 7.377                               | 0.000 | 3    | 0          | 1            | 1    |
| 114606       | PL.22933    | C   | Consumer           | 14.65Y    | 122.1        | 0.00            | 3.91                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 7.203                               | 0.000 | 5    | 1          | 1            | 1    |
| 114611       | PL.22933    | C   | Consumer           | 14.65Y    | 122.1        | 0.00            | 3.91                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.203                               | 0.000 | 0    | 0          | 1            | 1    |
| PL.10260     | PL.10259    | C   | 4ACSR              | 14.65Y    | 122.1        | 0.02            | 3.92                     | 6.77         | 3        | 98         | 13      | 99         | 0.01      | 0.0               | 7.173                               | 0.118 | 0    | 0          | 0            | 22   |
| 113605       | PL.10260    | C   | Consumer           | 14.65Y    | 122.1        | 0.00            | 3.92                     | 0.43         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.173                               | 0.000 | 6    | 1          | 1            | 1    |
| PL.4837      | PL.10260    | C   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.92                     | 6.34         | 3        | 92         | 12      | 99         | 0.00      | 0.0               | 7.175                               | 0.002 | 0    | 0          | 0            | 21   |
| PL.17004     | PL.4837     | C   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.92                     | 6.34         | 3        | 92         | 12      | 99         | 0.00      | 0.0               | 7.180                               | 0.005 | 0    | 0          | 0            | 21   |
| PD.3283      | PL.17004    | C   | 25E                | 14.65Y    | 122.1        | 0.00            | 3.92                     | 6.34         | 25       | 92         | 12      | 99         | 0.00      | 0.0               | 7.180                               | 0.000 | 0    | 0          | 0            | 21   |
| PL.17005     | PD.3283     | C   | 4ACSR              | 14.65Y    | 122.1        | 0.01            | 3.93                     | 6.34         | 3        | 92         | 12      | 99         | 0.01      | 0.0               | 7.253                               | 0.073 | 0    | 0          | 0            | 21   |
| PD.37-A      | PL.17005    | C   | Closed             | 14.65Y    | 122.1        | 0.00            | 3.93                     | 6.34         | 0        | 92         | 12      | 99         | 0.00      | 0.0               | 7.253                               | 0.000 | 0    | 0          | 0            | 21   |
| PD.37-B      | PD.37-A     | C   | Closed             | 14.65Y    | 122.1        | 0.00            | 3.93                     | 6.34         | 0        | 92         | 12      | 99         | 0.00      | 0.0               | 7.253                               | 0.000 | 0    | 0          | 0            | 21   |
| PL.17003     | PD.37-B     | C   | 4ACSR              | 14.65Y    | 122.0        | 0.02            | 3.95                     | 6.34         | 3        | 92         | 12      | 99         | 0.01      | 0.0               | 7.403                               | 0.150 | 0    | 0          | 0            | 21   |
| 113703       | PL.17003    | C   | Consumer           | 14.65Y    | 122.0        | 0.00            | 3.95                     | 0.19         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 7.403                               | 0.000 | 3    | 0          | 1            | 1    |
| PL.10257     | PL.17003    | C   | 4ACSR              | 14.64Y    | 122.0        | 0.06            | 4.01                     | 6.15         | 3        | 89         | 12      | 99         | 0.04      | 0.0               | 7.831                               | 0.428 | 0    | 0          | 0            | 20   |
| PL.22937     | PL.10257    | C   | 4ACSR              | 14.64Y    | 122.0        | 0.00            | 4.01                     | 0.12         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 7.916                               | 0.084 | 0    | 0          | 0            | 2    |
| 113702       | PL.22937    | C   | Consumer           | 14.64Y    | 122.0        | 0.00            | 4.01                     | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 7.916                               | 0.000 | 1    | 0          | 1            | 1    |
| 113714       | PL.22937    | C   | Consumer           | 14.64Y    | 122.0        | 0.00            | 4.01                     | 0.05         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 7.916                               | 0.000 | 1    | 0          | 1            | 1    |
| PL.22935     | PL.10257    | C   | 4ACSR              | 14.64Y    | 122.0        | 0.00            | 4.01                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.878                               | 0.047 | 0    | 0          | 0            | 1    |
| PL.22936     | PL.22935    | C   | 4ACSR              | 14.64Y    | 122.0        | 0.00            | 4.01                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.910                               | 0.032 | 0    | 0          | 0            | 1    |
| 113706       | PL.22936    | C   | Consumer           | 14.64Y    | 122.0        | 0.00            | 4.01                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.910                               | 0.000 | 0    | 0          | 1            | 1    |
| PL.10258     | PL.10257    | C   | 4ACSR              | 14.64Y    | 122.0        | 0.03            | 4.04                     | 6.03         | 3        | 87         | 11      | 99         | 0.02      | 0.0               | 8.057                               | 0.226 | 0    | 0          | 0            | 17   |
| 113701       | PL.10258    | C   | Consumer           | 14.64Y    | 122.0        | 0.00            | 4.04                     | 0.35         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 8.057                               | 0.000 | 5    | 1          | 1            | 1    |
| 113713       | PL.10258    | C   | Consumer           | 14.64Y    | 122.0        | 0.00            | 4.04                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.057                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.10256     | PL.10258    | C   | 4ACSR              | 14.64Y    | 122.0        | 0.00            | 4.04                     | 5.68         | 3        | 82         | 11      | 99         | 0.00      | 0.0               | 8.084                               | 0.027 | 0    | 0          | 0            | 16   |
| PL.22938     | PL.10256    | C   | 4ACSR              | 14.64Y    | 122.0        | 0.00            | 4.04                     | 0.28         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 8.196                               | 0.112 | 0    | 0          | 0            | 1    |
| 113709       | PL.22938    | C   | Consumer           | 14.64Y    | 122.0        | 0.00            | 4.04                     | 0.28         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 8.196                               | 0.000 | 4    | 1          | 1            | 1    |
| PL.10255     | PL.10256    | C   | 4ACSR              | 14.63Y    | 121.9        | 0.01            | 4.05                     | 5.40         | 3        | 78         | 10      | 99         | 0.01      | 0.0               | 8.208                               | 0.124 | 0    | 0          | 0            | 15   |
| PL.44314     | PL.10255    | C   | 4ACSR              | 14.63Y    | 121.9        | 0.03            | 4.09                     | 5.36         | 3        | 78         | 10      | 99         | 0.02      | 0.0               | 8.481                               | 0.273 | 0    | 0          | 0            | 14   |
| 1137018      | PL.44314    | C   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.09                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.481                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.44315     | PL.44314    | C   | 4ACSR              | 14.63Y    | 121.9        | 0.01            | 4.10                     | 5.36         | 3        | 78         | 10      | 99         | 0.01      | 0.0               | 8.576                               | 0.095 | 0    | 0          | 0            | 14   |
| PL.36573     | PL.44315    | C   | 4ACSR              | 14.63Y    | 121.9        | 0.01            | 4.11                     | 5.36         | 3        | 78         | 10      | 99         | 0.01      | 0.0               | 8.656                               | 0.080 | 0    | 0          | 0            | 14   |
| C PD.5660    | PL.36573    | C   | fuse6AMP           | 14.63Y    | 121.9        | 0.00            | 4.11                     | 5.36         | 92       | 78         | 10      | 99         | 0.00      | 0.0               | 8.656                               | 0.000 | 0    | 0          | 0            | 14 C |
| PL.36574     | PD.5660     | C   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.11                     | 5.36         | 3        | 78         | 10      | 99         | 0.00      | 0.0               | 8.661                               | 0.005 | 0    | 0          | 0            | 14   |
| PL.3         | PL.36574    | C   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.11                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.006                               | 0.345 | 0    | 0          | 0            | 0    |
| PD.32-A      | PL.3        | C   | Open               | 14.63Y    | 121.9        | 0.00            | 4.11                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 9.006                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.17752     | PL.36574    | C   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.11                     | 5.36         | 3        | 78         | 10      | 99         | 0.00      | 0.0               | 8.677                               | 0.016 | 0    | 0          | 0            | 14   |
| PL.17753     | PL.17752    | C   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.11                     | 5.36         | 3        | 78         | 10      | 99         | 0.00      | 0.0               | 8.696                               | 0.020 | 0    | 0          | 0            | 14   |

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 112706       | PL.36580    | C   | Consumer           | 14.62Y    | 121.9        | 0.00            | 4.13                     | 0.26         | 0        | 4          | 0       | 100        | 0.00      | 0.0               | 9.017                               | 0.000 | 4    | 0          | 1            | 1 |
| 112708       | PL.36580    | C   | Consumer           | 14.62Y    | 121.9        | 0.00            | 4.13                     | 0.52         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 9.017                               | 0.000 | 8    | 1          | 1            | 1 |
| 112703       | PL.5332     | C   | Consumer           | 14.62Y    | 121.9        | 0.00            | 4.13                     | 0.90         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 8.860                               | 0.000 | 13   | 2          | 1            | 1 |
| 112705       | PL.36578    | C   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.12                     | 0.15         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.753                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.36575     | PL.17753    | C   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.11                     | 0.31         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 8.705                               | 0.009 | 0    | 0          | 0            | 1 |
| PD.5661      | PL.36575    | C   | fuse6AMP           | 14.63Y    | 121.9        | 0.00            | 4.11                     | 0.31         | 5        | 5          | 1       | 98         | 0.00      | 0.0               | 8.705                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.36576     | PD.5661     | C   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.11                     | 0.31         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 8.725                               | 0.020 | 0    | 0          | 0            | 1 |
| 112713       | PL.36576    | C   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.11                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.725                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.21564     | PL.36576    | C   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.11                     | 0.31         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 8.872                               | 0.147 | 0    | 0          | 0            | 1 |
| PL.22696     | PL.21564    | C   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.11                     | 0.31         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 8.932                               | 0.060 | 0    | 0          | 0            | 1 |
| PL.22939     | PL.22696    | C   | 4ACSR              | 14.63Y    | 121.9        | 0.00            | 4.11                     | 0.31         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 9.103                               | 0.171 | 0    | 0          | 0            | 1 |
| 113708       | PL.22939    | C   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.11                     | 0.31         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 9.103                               | 0.000 | 5    | 1          | 1            | 1 |
| 113715       | PL.10255    | C   | Consumer           | 14.63Y    | 121.9        | 0.00            | 4.05                     | 0.03         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 8.208                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.28251     | PL.17757    | C   | 4ACSR              | 14.66Y    | 122.1        | 0.00            | 3.86                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.780                               | 0.007 | 0    | 0          | 0            | 0 |
| PD.38-A      | PL.28251    | C   | Closed             | 14.66Y    | 122.1        | 0.00            | 3.86                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.780                               | 0.000 | 0    | 0          | 0            | 0 |
| PD.38-B      | PD.38-A     | C   | Closed             | 14.66Y    | 122.1        | 0.00            | 3.86                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.780                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.28252     | PD.38-B     | C   | 4ACSR              | 14.66Y    | 122.1        | 0.00            | 3.86                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.906                               | 0.125 | 0    | 0          | 0            | 0 |
| 113606       | PL.28252    | C   | Consumer           | 14.66Y    | 122.1        | 0.00            | 3.86                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.906                               | 0.000 | 0    | 0          | 0            | 0 |
| 113603       | PL.4838     | C   | Consumer           | 14.66Y    | 122.2        | 0.00            | 3.85                     | 0.13         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.714                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.7         | PL.4840     | C   | 4ACSR              | 14.66Y    | 122.1        | 0.03            | 3.86                     | 2.34         | 1        | 34         | 5       | 99         | 0.01      | 0.0               | 7.260                               | 0.694 | 0    | 0          | 0            | 7 |
| PL.9380      | PL.7        | C   | 4ACSR              | 14.66Y    | 122.1        | 0.00            | 3.86                     | 2.34         | 1        | 34         | 5       | 99         | 0.00      | 0.0               | 7.272                               | 0.012 | 0    | 0          | 0            | 7 |
| PL.21253     | PL.9380     | C   | 4ACSR              | 14.66Y    | 122.1        | 0.00            | 3.86                     | 0.39         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.305                               | 0.033 | 0    | 0          | 0            | 2 |
| 113506       | PL.21253    | C   | Consumer           | 14.66Y    | 122.1        | 0.00            | 3.86                     | 0.12         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 7.305                               | 0.000 | 2    | 1          | 1            | 1 |
| 113505       | PL.21253    | C   | Consumer           | 14.66Y    | 122.1        | 0.00            | 3.86                     | 0.28         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 7.305                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.8831      | PL.9380     | C   | 4ACSR              | 14.66Y    | 122.1        | 0.00            | 3.87                     | 1.95         | 1        | 28         | 4       | 99         | 0.00      | 0.0               | 7.360                               | 0.088 | 0    | 0          | 0            | 5 |
| PL.8830      | PL.8831     | C   | 4ACSR              | 14.65Y    | 122.1        | 0.01            | 3.88                     | 1.95         | 1        | 28         | 4       | 99         | 0.00      | 0.0               | 7.669                               | 0.309 | 0    | 0          | 0            | 5 |
| PL.46084     | PL.8830     | C   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.88                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.783                               | 0.114 | 0    | 0          | 0            | 0 |
| PD.50-A      | PL.46084    | C   | Open               | 14.65Y    | 122.1        | 0.00            | 3.88                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.783                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.22397     | PL.8830     | C   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.88                     | 1.61         | 1        | 23         | 3       | 99         | 0.00      | 0.0               | 7.724                               | 0.055 | 0    | 0          | 0            | 3 |
| PL.21252     | PL.22397    | C   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.88                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.785                               | 0.061 | 0    | 0          | 0            | 0 |
| 113502       | PL.22397    | C   | Consumer           | 14.65Y    | 122.1        | 0.00            | 3.88                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.724                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.28253     | PL.22397    | C   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.88                     | 1.60         | 1        | 23         | 3       | 99         | 0.00      | 0.0               | 7.735                               | 0.011 | 0    | 0          | 0            | 2 |
| PD.802       | PL.28253    | C   | fuse6AMP           | 14.65Y    | 122.1        | 0.00            | 3.88                     | 1.60         | 27       | 23         | 3       | 99         | 0.00      | 0.0               | 7.735                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.28254     | PD.802      | C   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.88                     | 1.60         | 1        | 23         | 3       | 99         | 0.00      | 0.0               | 7.833                               | 0.098 | 0    | 0          | 0            | 2 |
| PL.28314     | PL.28254    | C   | 4ACSR              | 14.65Y    | 122.1        | 0.01            | 3.89                     | 1.60         | 1        | 23         | 3       | 99         | 0.00      | 0.0               | 7.992                               | 0.159 | 0    | 0          | 0            | 2 |
| PL.22932     | PL.28314    | C   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.89                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.260                               | 0.268 | 0    | 0          | 0            | 0 |
| 1136012      | PL.22932    | C   | Consumer           | 14.65Y    | 122.1        | 0.00            | 3.89                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.260                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.28315     | PL.28314    | C   | 4ACSR              | 14.65Y    | 122.1        | 0.00            | 3.89                     | 1.60         | 1        | 23         | 3       | 99         | 0.00      | 0.0               | 8.050                               | 0.058 | 0    | 0          | 0            | 2 |



Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for Units Displayed In Volts and Base Voltage:120.0-

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 3 (THRFRKS3) beginning with Device PD.3880.

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PL.14834     | PL.18417    | A   | 336ACSR            | 15.10Y    | 125.9        | 0.03            | 0.13                     | 29.93        | 4        | 448        | 59   | 99      | 0.08       | 0.0               | 1.076             | 0.249          | 0          | 0            | 0  | 44   |
|              |             | B   |                    | 15.13Y    | 126.1        | -0.02           | -0.08                    | 3.36         | 0        | 50         | 7    | 99      |            |                   |                   |                | 0          | 0            | 0  | 7    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.02            | 0.08                     | 6.19         | 1        | 92         | 18   | 98      |            |                   |                   |                | 0          | 0            | 0  | 9    |
| PL.20917     | PL.14834    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.21         | 1        | 18         | 2    | 99      | 0.00       | 0.0               | 1.086             | 0.010          | 0          | 0            | 0  | 2    |
| PD.891       | PL.20917    | C   | fuse15AMP          | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.21         | 8        | 18         | 2    | 99      | 0.00       | 0.0               | 1.086             | 0.000          | 0          | 0            | 0  | 2    |
| PL.20918     | PD.891      | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.21         | 1        | 18         | 2    | 99      | 0.00       | 0.0               | 1.122             | 0.036          | 0          | 0            | 0  | 2    |
| 115428       | PL.20918    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.17         | 0        | 17         | 2    | 99      | 0.00       | 0.0               | 1.122             | 0.000          | 17         | 2            | 1  | 1    |
| 115423       | PL.20918    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.05         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.122             | 0.000          | 1          | 0            | 1  | 1    |
| PL.14835     | PL.14834    | A   | 336ACSR            | 15.10Y    | 125.9        | 0.02            | 0.15                     | 29.93        | 4        | 448        | 59   | 99      | 0.05       | 0.0               | 1.227             | 0.151          | 0          | 0            | 0  | 44   |
|              |             | B   |                    | 15.13Y    | 126.1        | -0.01           | -0.09                    | 3.36         | 0        | 50         | 7    | 99      |            |                   |                   |                | 0          | 0            | 0  | 7    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.01            | 0.09                     | 4.98         | 1        | 74         | 16   | 98      |            |                   |                   |                | 0          | 0            | 0  | 7    |
| PL.14836     | PL.14835    | A   | 336ACSR            | 15.10Y    | 125.8        | 0.01            | 0.16                     | 29.93        | 4        | 448        | 59   | 99      | 0.03       | 0.0               | 1.302             | 0.075          | 0          | 0            | 0  | 44   |
|              |             | B   |                    | 15.13Y    | 126.1        | -0.01           | -0.10                    | 2.69         | 0        | 40         | 6    | 99      |            |                   |                   |                | 0          | 0            | 0  | 6    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.01            | 0.10                     | 4.98         | 1        | 74         | 16   | 98      |            |                   |                   |                | 0          | 0            | 0  | 7    |
| PL.9418      | PL.14836    | A   | 336ACSR            | 15.10Y    | 125.8        | -0.00           | 0.16                     | 1.58         | 0        | 24         | 3    | 99      | 0.00       | 0.0               | 1.358             | 0.055          | 0          | 0            | 0  | 5    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 2.26         | 0        | 34         | 5    | 99      |            |                   |                   |                | 0          | 0            | 0  | 5    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 3.68         | 1        | 55         | 7    | 99      |            |                   |                   |                | 0          | 0            | 0  | 6    |
| PL.18501     | PL.9418     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.85         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 1.369             | 0.011          | 0          | 0            | 0  | 2    |
| PD.886       | PL.18501    | C   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.85         | 14       | 13         | 2    | 99      | 0.00       | 0.0               | 1.369             | 0.000          | 0          | 0            | 0  | 2    |
| PL.18502     | PD.886      | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.85         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 1.440             | 0.071          | 0          | 0            | 0  | 2    |
| 115416       | PL.18502    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.69         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 1.440             | 0.000          | 10         | 1            | 1  | 1    |
| 115411       | PL.18502    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.16         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.440             | 0.000          | 2          | 0            | 1  | 1    |
| PL.18503     | PL.9418     | A   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.67         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 1.368             | 0.010          | 0          | 0            | 0  | 1    |
| PD.885       | PL.18503    | A   | fuse6AMP           | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.67         | 11       | 10         | 1    | 100     | 0.00       | 0.0               | 1.368             | 0.000          | 0          | 0            | 0  | 1    |
| PL.18504     | PD.885      | A   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.67         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 1.403             | 0.035          | 0          | 0            | 0  | 1    |
| 115404       | PL.18504    | A   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.67         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 1.403             | 0.000          | 10         | 1            | 1  | 1    |
| PL.9623      | PL.9418     | A   | 336ACSR            | 15.10Y    | 125.8        | -0.00           | 0.16                     | 0.91         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 1.499             | 0.141          | 0          | 0            | 0  | 4    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 2.26         | 0        | 34         | 5    | 99      |            |                   |                   |                | 0          | 0            | 0  | 5    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 2.83         | 0        | 42         | 6    | 99      |            |                   |                   |                | 0          | 0            | 0  | 4    |
| 115412       | PL.9623     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.28         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.499             | 0.000          | 4          | 1            | 1  | 1    |
| PL.5493      | PL.9623     | A   | 336ACSR            | 15.10Y    | 125.8        | -0.00           | 0.16                     | 0.91         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 1.549             | 0.050          | 0          | 0            | 0  | 4    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 1.98         | 0        | 30         | 5    | 99      |            |                   |                   |                | 0          | 0            | 0  | 4    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 2.83         | 0        | 42         | 6    | 99      |            |                   |                   |                | 0          | 0            | 0  | 4    |
| PL.9624      | PL.5493     | A   | 336ACSR            | 15.10Y    | 125.8        | -0.00           | 0.16                     | 0.91         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 1.595             | 0.046          | 0          | 0            | 0  | 4    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 1.17         | 0        | 17         | 3    | 99      |            |                   |                   |                | 0          | 0            | 0  | 3    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 2.83         | 0        | 42         | 6    | 99      |            |                   |                   |                | 0          | 0            | 0  | 4    |
| 115407       | PL.9624     | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.74         | 0        | 11         | 1    | 100     | 0.00       | 0.0               | 1.595             | 0.000          | 11         | 1            | 1  | 1    |
| PL.17732     | PL.9624     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.80         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 1.612             | 0.016          | 0          | 0            | 0  | 1    |
| PD.887       | PL.17732    | C   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.80         | 14       | 12         | 2    | 99      | 0.00       | 0.0               | 1.612             | 0.000          | 0          | 0            | 0  | 1    |
| PL.17733     | PD.887      | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.80         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 1.699             | 0.087          | 0          | 0            | 0  | 1    |
| PL.777       | PL.17733    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.80         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 1.730             | 0.032          | 0          | 0            | 0  | 1    |
| 115415       | PL.777      | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 0.80         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 1.730             | 0.000          | 12         | 2            | 1  | 1    |
| PL.9625      | PL.9624     | A   | 336ACSR            | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.91         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 1.666             | 0.071          | 0          | 0            | 0  | 4    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 1.17         | 0        | 17         | 3    | 99      |            |                   |                   |                | 0          | 0            | 0  | 3    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.29         | 0        | 19         | 3    | 99      |            |                   |                   |                | 0          | 0            | 0  | 2    |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW |            |              | KVAR |
| PL.9626      | PL.9625     | A   | 336ACSR            | 15.10Y    | 125.8        | -0.00           | 0.16                     | 0.91         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 1.738          | 0.072             | 0  | 0          | 0            | 4    |
|              |             | B   |                    | 15.13Y    | 126.1        | -0.00           | -0.09                    | 0.00         | 0        | 0          | 0    | 100     | 0          | 0                 |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.29         | 0        | 19         | 3    | 99      | 0          | 0                 |                |                   | 0  | 0          | 0            | 2    |
| 115403       | PL.9626     | A   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.27         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.738          | 0.000             | 4  | 1          | 1            | 1    |
| PL.17730     | PL.9626     | A   | 336ACSR            | 15.10Y    | 125.8        | -0.00           | 0.16                     | 0.65         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 1.812          | 0.074             | 0  | 0          | 0            | 3    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0    | 100     | 0          | 0                 |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.29         | 0        | 19         | 3    | 99      | 0          | 0                 |                |                   | 0  | 0          | 0            | 2    |
| PD.71-A      | PL.17730    | A   | Closed             | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.65         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 1.812          | 0.000             | 0  | 0          | 0            | 3    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0    | 100     | 0          | 0                 |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.29         | 0        | 19         | 3    | 99      | 0          | 0                 |                |                   | 0  | 0          | 0            | 2    |
| PD.71-B      | PD.71-A     | A   | Closed             | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.65         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 1.812          | 0.000             | 0  | 0          | 0            | 3    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0    | 100     | 0          | 0                 |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.29         | 0        | 19         | 3    | 99      | 0          | 0                 |                |                   | 0  | 0          | 0            | 2    |
| PL.17731     | PD.71-B     | A   | 336ACSR            | 15.10Y    | 125.8        | -0.00           | 0.16                     | 0.65         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 2.355          | 0.542             | 0  | 0          | 0            | 3    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0    | 100     | 0          | 0                 |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.29         | 0        | 19         | 3    | 99      | 0          | 0                 |                |                   | 0  | 0          | 0            | 2    |
| PL.22294     | PL.17731    | A   | 336ACSR            | 15.10Y    | 125.8        | -0.00           | 0.16                     | 0.65         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 2.558          | 0.203             | 0  | 0          | 0            | 3    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0    | 100     | 0          | 0                 |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.29         | 0        | 19         | 3    | 99      | 0          | 0                 |                |                   | 0  | 0          | 0            | 2    |
| PD.2637-A    | PL.22294    | A   | Closed             | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.65         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 2.558          | 0.000             | 0  | 0          | 0            | 3    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0    | 100     | 0          | 0                 |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.29         | 0        | 19         | 3    | 99      | 0          | 0                 |                |                   | 0  | 0          | 0            | 2    |
| PD.2637-B    | PD.2637-A   | A   | Closed             | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.65         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 2.558          | 0.000             | 0  | 0          | 0            | 3    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0    | 100     | 0          | 0                 |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.29         | 0        | 19         | 3    | 99      | 0          | 0                 |                |                   | 0  | 0          | 0            | 2    |
| PL.22295     | PD.2637-B   | A   | 336ACSR            | 15.10Y    | 125.8        | -0.00           | 0.15                     | 0.65         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 2.895          | 0.338             | 0  | 0          | 0            | 3    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0    | 100     | 0          | 0                 |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.29         | 0        | 19         | 3    | 99      | 0          | 0                 |                |                   | 0  | 0          | 0            | 2    |
| PL.9627      | PL.22295    | A   | 336ACSR            | 15.10Y    | 125.8        | -0.00           | 0.15                     | 0.65         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 2.955          | 0.060             | 0  | 0          | 0            | 3    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0    | 100     | 0          | 0                 |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.27         | 0        | 19         | 2    | 99      | 0          | 0                 |                |                   | 0  | 0          | 0            | 1    |
| PL.17726     | PL.9627     | A   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.55         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 2.969          | 0.013             | 0  | 0          | 0            | 1    |
| PD.889       | PL.17726    | A   | fuse6AMP           | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.55         | 9        | 8          | 1    | 99      | 0.00       | 0.0               | 2.969          | 0.000             | 0  | 0          | 0            | 1    |
| PL.17727     | PD.889      | A   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.55         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 3.006          | 0.038             | 0  | 0          | 0            | 1    |
| 116544       | PL.17727    | A   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.16                     | 0.55         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 3.006          | 0.000             | 8  | 1          | 1            | 1    |
| PL.9628      | PL.9627     | A   | 336ACSR            | 15.10Y    | 125.8        | -0.00           | 0.15                     | 0.10         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.202          | 0.246             | 0  | 0          | 0            | 2    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0    | 100     | 0          | 0                 |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.27         | 0        | 19         | 2    | 99      | 0          | 0                 |                |                   | 0  | 0          | 0            | 1    |
| PL.17724     | PL.9628     | A   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.15                     | 0.10         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.218          | 0.016             | 0  | 0          | 0            | 2    |
| PD.888       | PL.17724    | A   | fuse6AMP           | 15.10Y    | 125.8        | 0.00            | 0.15                     | 0.10         | 2        | 1          | 0    | 100     | 0.00       | 0.0               | 3.218          | 0.000             | 0  | 0          | 0            | 2    |
| PL.17725     | PD.888      | A   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.15                     | 0.10         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.282          | 0.064             | 0  | 0          | 0            | 2    |
| PL.23693     | PL.17725    | A   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.15                     | 0.08         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.327          | 0.045             | 0  | 0          | 0            | 1    |
| 116551       | PL.23693    | A   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.15                     | 0.08         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.327          | 0.000             | 1  | 0          | 1            | 1    |
| 116552       | PL.17725    | A   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.15                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.282          | 0.000             | 0  | 0          | 1            | 1    |
| PL.9629      | PL.9628     | A   | 336ACSR            | 15.10Y    | 125.8        | -0.00           | 0.15                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.296          | 0.094             | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0    | 100     | 0          | 0                 |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.27         | 0        | 19         | 2    | 99      | 0          | 0                 |                |                   | 0  | 0          | 0            | 1    |
| PL.9630      | PL.9629     | A   | 336ACSR            | 15.10Y    | 125.8        | -0.00           | 0.15                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.462          | 0.166             | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0    | 100     | 0          | 0                 |                |                   | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.27         | 0        | 19         | 2    | 99      | 0          | 0                 |                |                   | 0  | 0          | 0            | 1    |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.9631      | PL.9630     | A   | 336ACSR            | 15.10Y    | 125.8        | 0.00            | 0.15                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 3.527                               | 0.065 | 0    | 0          | 0            | 0         |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               |                                     |       | 0    | 0          | 0            | 0         |
| PL.17722     | PL.9631     | A   | 336ACSR            | 15.10Y    | 125.8        | 0.00            | 0.15                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 3.549                               | 0.022 | 0    | 0          | 0            | 0         |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               |                                     |       | 0    | 0          | 0            | 0         |
| PD.70-A      | PL.17722    | A   | Open               | 15.10Y    | 125.8        | 0.00            | 0.15                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 3.549                               | 0.000 | 0    | 0          | 0            | 0         |
|              |             | B   |                    | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               |                                     |       | 0    | 0          | 0            | 0         |
| PL.23688     | PL.9630     | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.27         | 1        | 19         | 2         | 99      | 0.00       | 0.0               | 3.526                               | 0.064 | 0    | 0          | 0            | 1         |
| 116546       | PL.23688    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 1.27         | 0        | 19         | 2         | 99      | 0.00       | 0.0               | 3.526                               | 0.000 | 19   | 2          | 1            | 1         |
| PL.17728     | PL.22295    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.02         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 2.907                               | 0.012 | 0    | 0          | 0            | 1         |
| PD.890       | PL.17728    | C   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.02         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 2.907                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.17729     | PD.890      | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.02         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 2.953                               | 0.046 | 0    | 0          | 0            | 1         |
| 116547       | PL.17729    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.11                     | 0.02         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 2.953                               | 0.000 | 0    | 0          | 1            | 1         |
| 115420       | PL.9625     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.16         | 0        | 2          | 0         | 100     | 0.00       | 0.0               | 1.666                               | 0.000 | 2    | 0          | 1            | 1         |
| 115406       | PL.9625     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.87         | 0        | 13         | 2         | 99      | 0.00       | 0.0               | 1.666                               | 0.000 | 13   | 2          | 1            | 1         |
| 115414       | PL.9625     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.16         | 0        | 2          | 1         | 89      | 0.00       | 0.0               | 1.666                               | 0.000 | 2    | 1          | 1            | 1         |
| 115419       | PL.5493     | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.81         | 0        | 12         | 2         | 99      | 0.00       | 0.0               | 1.549                               | 0.000 | 12   | 2          | 1            | 1         |
| 115417       | PL.14836    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.10                    | 0.43         | 0        | 6          | 1         | 99      | 0.00       | 0.0               | 1.302                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.23691     | PL.14836    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.36         | 1        | 18         | 9         | 89      | 0.00       | 0.0               | 1.412                               | 0.110 | 0    | 0          | 0            | 1         |
| 115426       | PL.23691    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10                     | 1.36         | 0        | 18         | 9         | 89      | 0.00       | 0.0               | 1.412                               | 0.000 | 18   | 9          | 1            | 1         |
| PL.9417      | PL.14836    | A   | 4ACSR              | 15.10Y    | 125.8        | 0.03            | 0.19                     | 28.34        | 15       | 424        | 56        | 99      | 0.09       | 0.0               | 1.351                               | 0.049 | 0    | 0          | 0            | 39        |
| PL.36714     | PL.9417     | A   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.19                     | 0.95         | 0        | 14         | 2         | 99      | 0.00       | 0.0               | 1.358                               | 0.007 | 0    | 0          | 0            | 1         |
| PD.5718      | PL.36714    | A   | fuse6AMP           | 15.10Y    | 125.8        | 0.00            | 0.19                     | 0.95         | 16       | 14         | 2         | 99      | 0.00       | 0.0               | 1.358                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.36715     | PD.5718     | A   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.19                     | 0.95         | 0        | 14         | 2         | 99      | 0.00       | 0.0               | 1.419                               | 0.061 | 0    | 0          | 0            | 1         |
| 115421       | PL.36715    | A   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.19                     | 0.95         | 0        | 14         | 2         | 99      | 0.00       | 0.0               | 1.419                               | 0.000 | 14   | 2          | 1            | 1         |
| PL.18222     | PL.9417     | A   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.19                     | 27.39        | 14       | 410        | 54        | 99      | 0.01       | 0.0               | 1.357                               | 0.005 | 0    | 0          | 0            | 38        |
| PD.3306      | PL.18222    | A   | 70L                | 15.10Y    | 125.8        | 0.00            | 0.19                     | 27.39        | 39       | 410        | 54        | 99      | 0.00       | 0.0               | 1.357                               | 0.000 | 0    | 0          | 0            | 38        |
| PL.18223     | PD.3306     | A   | 4ACSR              | 15.09Y    | 125.7        | 0.07            | 0.26                     | 27.39        | 14       | 410        | 54        | 99      | 0.22       | 0.1               | 1.481                               | 0.125 | 0    | 0          | 0            | 38        |
| PL.36716     | PL.18223    | A   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.26                     | 1.53         | 1        | 23         | 3         | 99      | 0.00       | 0.0               | 1.488                               | 0.006 | 0    | 0          | 0            | 2         |
| PD.5719      | PL.36716    | A   | fuse6AMP           | 15.09Y    | 125.7        | 0.00            | 0.26                     | 1.53         | 26       | 23         | 3         | 99      | 0.00       | 0.0               | 1.488                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.36717     | PD.5719     | A   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.26                     | 1.53         | 1        | 23         | 3         | 99      | 0.00       | 0.0               | 1.525                               | 0.037 | 0    | 0          | 0            | 2         |
| PL.801       | PL.36717    | A   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.27                     | 0.82         | 0        | 12         | 2         | 99      | 0.00       | 0.0               | 1.624                               | 0.099 | 0    | 0          | 0            | 1         |
| 115401       | PL.801      | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.27                     | 0.82         | 0        | 12         | 2         | 99      | 0.00       | 0.0               | 1.624                               | 0.000 | 12   | 2          | 1            | 1         |
| 115427       | PL.36717    | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.26                     | 0.70         | 0        | 11         | 1         | 100     | 0.00       | 0.0               | 1.525                               | 0.000 | 11   | 1          | 1            | 1         |
| PL.9416      | PL.18223    | A   | 4ACSR              | 15.08Y    | 125.7        | 0.04            | 0.31                     | 25.87        | 13       | 387        | 51        | 99      | 0.13       | 0.0               | 1.563                               | 0.081 | 0    | 0          | 0            | 36        |
| PL.36718     | PL.9416     | A   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.06         | 0        | 1          | 0         | 100     | 0.00       | 0.0               | 1.569                               | 0.006 | 0    | 0          | 0            | 1         |
| PD.5720      | PL.36718    | A   | fuse6AMP           | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.06         | 1        | 1          | 0         | 100     | 0.00       | 0.0               | 1.569                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.36719     | PD.5720     | A   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.06         | 0        | 1          | 0         | 100     | 0.00       | 0.0               | 1.599                               | 0.030 | 0    | 0          | 0            | 1         |
| 115418       | PL.36719    | A   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.06         | 0        | 1          | 0         | 100     | 0.00       | 0.0               | 1.599                               | 0.000 | 1    | 0          | 1            | 1         |

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements PL.9415 through 115339.

Unbalanced Voltage Drop Report
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes a sub-header for units displayed in volts and base voltage: 120.0.



Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.21940     | PL.45486    | A   | 4ACSR              | 15.04Y    | 125.3        | 0.00            | 0.65                     | 0.68         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.609                               | 0.044 | 0    | 0          | 0            | 2 |
| PL.21941     | PL.21940    | A   | 4ACSR              | 15.04Y    | 125.3        | 0.00            | 0.66                     | 0.68         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.663                               | 0.055 | 0    | 0          | 0            | 2 |
| PL.21935     | PL.21941    | A   | 4ACSR              | 15.04Y    | 125.3        | 0.00            | 0.66                     | 0.68         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.745                               | 0.082 | 0    | 0          | 0            | 2 |
| PL.22402     | PL.21935    | A   | 4ACSR              | 15.04Y    | 125.3        | 0.00            | 0.66                     | 0.40         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.812                               | 0.067 | 0    | 0          | 0            | 1 |
| PL.22403     | PL.22402    | A   | 4ACSR              | 15.04Y    | 125.3        | -0.00           | 0.66                     | 0.40         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.812                               | 0.000 | 0    | 0          | 0            | 1 |
| 116312       | PL.22403    | A   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.66                     | 0.40         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.812                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.21936     | PL.21935    | A   | 4ACSR              | 15.04Y    | 125.3        | 0.00            | 0.66                     | 0.28         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.795                               | 0.050 | 0    | 0          | 0            | 1 |
| 116308       | PL.21936    | A   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.66                     | 0.28         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.795                               | 0.000 | 4    | 1          | 1            | 1 |
| 115327       | PL.25383    | A   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.46         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.379                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.36703     | PL.18859    | A   | 4ACSR              | 15.04Y    | 125.4        | 0.00            | 0.63                     | 1.61         | 1        | 24         | 3       | 99         | 0.00      | 0.0               | 2.352                               | 0.004 | 0    | 0          | 0            | 2 |
| PD.5714      | PL.36703    | A   | fuse6AMP           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 1.61         | 28       | 24         | 3       | 99         | 0.00      | 0.0               | 2.352                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.36706     | PD.5714     | A   | 4ACSR              | 15.04Y    | 125.4        | 0.00            | 0.63                     | 1.61         | 1        | 24         | 3       | 99         | 0.00      | 0.0               | 2.357                               | 0.005 | 0    | 0          | 0            | 2 |
| PL.36707     | PL.36706    | A   | 4ACSR              | 15.04Y    | 125.4        | 0.00            | 0.63                     | 1.02         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 2.432                               | 0.075 | 0    | 0          | 0            | 1 |
| 115359       | PL.36707    | A   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 1.02         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 2.432                               | 0.000 | 15   | 2          | 1            | 1 |
| 1153147      | PL.36707    | A   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.432                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.36705     | PL.36706    | A   | 4ACSR              | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.59         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.389                               | 0.032 | 0    | 0          | 0            | 1 |
| 115328       | PL.36705    | A   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.59         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.389                               | 0.000 | 9    | 1          | 1            | 1 |
| 1153116      | PL.5479     | A   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.59                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.184                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.36697     | PL.25385    | A   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.94         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 2.110                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.5710      | PL.36697    | A   | fuse6AMP           | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.94         | 16       | 14         | 2       | 99         | 0.00      | 0.0               | 2.110                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.36698     | PD.5710     | A   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.94         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 2.138                               | 0.028 | 0    | 0          | 0            | 1 |
| 115375       | PL.36698    | A   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.94         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 2.138                               | 0.000 | 14   | 2          | 1            | 1 |
| 115314       | PL.5473     | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.52                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.975                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.25387     | PL.5474     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.01            | 0.52                     | 3.26         | 2        | 49         | 6       | 99         | 0.00      | 0.0               | 2.051                               | 0.078 | 0    | 0          | 0            | 3 |
| 1153146      | PL.25387    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.52                     | 0.77         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 2.051                               | 0.000 | 11   | 1          | 1            | 1 |
| PL.36724     | PL.25387    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.52                     | 2.49         | 1        | 37         | 5       | 99         | 0.00      | 0.0               | 2.057                               | 0.005 | 0    | 0          | 0            | 2 |
| PD.5723      | PL.36724    | A   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.52                     | 2.49         | 42       | 37         | 5       | 99         | 0.00      | 0.0               | 2.057                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.36725     | PD.5723     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.52                     | 2.49         | 1        | 37         | 5       | 99         | 0.00      | 0.0               | 2.122                               | 0.065 | 0    | 0          | 0            | 2 |
| 115340       | PL.36725    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.52                     | 0.96         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 2.122                               | 0.000 | 14   | 2          | 1            | 1 |
| 1153101      | PL.36725    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.52                     | 1.52         | 0        | 23         | 3       | 99         | 0.00      | 0.0               | 2.122                               | 0.000 | 23   | 3          | 1            | 1 |
| PL.45477     | PL.25387    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.52                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.199                               | 0.148 | 0    | 0          | 0            | 0 |
| PD.3660-A    | PL.45477    | A   | Open               | 15.06Y    | 125.5        | 0.00            | 0.52                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.199                               | 0.000 | 0    | 0          | 0            | 0 |
| 1153112      | PL.9414     | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.74         | 0        | 11         | 1       | 100        | 0.00      | 0.0               | 1.894                               | 0.000 | 11   | 1          | 1            | 1 |
| PL.36720     | PL.9413     | A   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.40                     | 2.27         | 1        | 34         | 4       | 99         | 0.00      | 0.0               | 1.741                               | 0.009 | 0    | 0          | 0            | 3 |
| PD.5721      | PL.36720    | A   | fuse6AMP           | 15.07Y    | 125.6        | 0.00            | 0.40                     | 2.27         | 39       | 34         | 4       | 99         | 0.00      | 0.0               | 1.741                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.36721     | PD.5721     | A   | 4ACSR              | 15.07Y    | 125.6        | 0.01            | 0.41                     | 2.27         | 1        | 34         | 4       | 99         | 0.00      | 0.0               | 1.884                               | 0.143 | 0    | 0          | 0            | 3 |
| 115336       | PL.36721    | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 1.31         | 0        | 20         | 3       | 99         | 0.00      | 0.0               | 1.884                               | 0.000 | 20   | 3          | 1            | 1 |
| 115346       | PL.36721    | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.884                               | 0.000 | 0    | 0          | 1            | 1 |

Unbalanced Voltage Drop Report  
Source: THREE FORKS

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |               |              |          |            |           |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|---------------|--------------|----------|------------|-----------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | -Base Voltage:120.0-     | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PL.21934     | PL.36721    | A   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.96          | 0            | 14       | 2          | 99        | 0.00       | 0.0               | 1.972             | 0.088          | 0          | 0            | 0  | 1    |
| 115337       | PL.21934    | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.96          | 0            | 14       | 2          | 99        | 0.00       | 0.0               | 1.972             | 0.000          | 14         | 2            | 1  | 1    |
| PL.23690     | PL.14835    | B   | 4ACSR              | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.67          | 0            | 10       | 1          | 100       | 0.00       | 0.0               | 1.295             | 0.068          | 0          | 0            | 0  | 1    |
| 115422       | PL.23690    | B   | Consumer           | 15.13Y    | 126.1        | 0.00            | -0.09                    | 0.67          | 0            | 10       | 1          | 100       | 0.00       | 0.0               | 1.295             | 0.000          | 10         | 1            | 1  | 1    |
| PL.152       | PL.29041    | A   | 336ACSR            | 15.12Y    | 126.0        | 0.00            | 0.04                     | 0.00          | 0            | 0        | 0          | 100       | 0.00       | 0.0               | 0.479             | 0.168          | 0          | 0            | 0  | 0    |
|              |             | B   |                    | 15.12Y    | 126.0        | 0.00            | -0.02                    | 0.00          | 0            | 0        | 0          | 100       |            |                   | 0                 |                | 0          | 0            | 0  | 0    |
|              |             | C   |                    | 15.12Y    | 126.0        | 0.00            | 0.02                     | 0.00          | 0            | 0        | 0          | 100       |            |                   | 0                 |                | 0          | 0            | 0  | 0    |
| PL.29188     | PD.3665     | C   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | 0.00                     | 2.61          | 1            | 39       | 5          | 99        | 0.00       | 0.0               | 0.040             | 0.030          | 0          | 0            | 0  | 5    |
| PL.29195     | PL.29188    | C   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | 0.01                     | 2.61          | 1            | 39       | 5          | 99        | 0.00       | 0.0               | 0.130             | 0.090          | 0          | 0            | 0  | 5    |
| PL.28300     | PL.29195    | C   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | 0.01                     | 2.09          | 1            | 31       | 4          | 99        | 0.00       | 0.0               | 0.206             | 0.077          | 0          | 0            | 0  | 3    |
| PL.21919     | PL.28300    | C   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | 0.01                     | 2.09          | 1            | 31       | 4          | 99        | 0.00       | 0.0               | 0.236             | 0.029          | 0          | 0            | 0  | 3    |
| PL.767       | PL.21919    | C   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | 0.01                     | 1.39          | 1            | 21       | 3          | 99        | 0.00       | 0.0               | 0.274             | 0.039          | 0          | 0            | 0  | 2    |
| 115360       | PL.767      | C   | Consumer           | 15.12Y    | 126.0        | 0.00            | 0.01                     | 0.27          | 0            | 4        | 1          | 97        | 0.00       | 0.0               | 0.274             | 0.000          | 4          | 1            | 1  | 1    |
| 115344       | PL.767      | C   | Consumer           | 15.12Y    | 126.0        | 0.00            | 0.01                     | 1.12          | 0            | 17       | 2          | 99        | 0.00       | 0.0               | 0.274             | 0.000          | 17         | 2            | 1  | 1    |
| PL.25523     | PL.21919    | C   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | 0.01                     | 0.70          | 0            | 11       | 1          | 100       | 0.00       | 0.0               | 0.332             | 0.096          | 0          | 0            | 0  | 1    |
| 115302       | PL.25523    | C   | Consumer           | 15.12Y    | 126.0        | 0.00            | 0.01                     | 0.70          | 0            | 11       | 1          | 100       | 0.00       | 0.0               | 0.332             | 0.000          | 11         | 1            | 1  | 1    |
| 114356       | PL.29195    | C   | Consumer           | 15.12Y    | 126.0        | 0.00            | 0.01                     | 0.02          | 0            | 0        | 0          | 100       | 0.00       | 0.0               | 0.130             | 0.000          | 0          | 0            | 1  | 1    |
| 114336       | PL.29195    | C   | Consumer           | 15.12Y    | 126.0        | 0.00            | 0.01                     | 0.50          | 0            | 8        | 1          | 99        | 0.00       | 0.0               | 0.130             | 0.000          | 8          | 1            | 1  | 1    |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

|      | Load | Adjustment | Capacitance | Charging | Gen&Motors | Loops&Metas | Losses | No Load | Losses | Total |
|------|------|------------|-------------|----------|------------|-------------|--------|---------|--------|-------|
| KW   | 6853 | 0          | 0           | 0        | 0          | 0           | 70     |         | 0.00   | 6923  |
| KVAR | 930  | 0          | 0           | -9       | 0          | 0           | 69     |         |        | 990   |

|                                     |                                  |                              |
|-------------------------------------|----------------------------------|------------------------------|
| Lowest Voltage                      | Highest Accumulated Voltage Drop | Highest Element Voltage Drop |
| A-Phase -> 123.88 volts on PL.22394 | 2.12 volts on PL.22394           | 0.39 volts on PL.16          |
| B-Phase -> 124.38 volts on PL.30925 | 1.62 volts on PL.30925           | 0.26 volts on PL.16810       |
| C-Phase -> 121.00 volts on PL.5070  | 5.00 volts on PL.5070            | 0.76 volts on PL.16810       |

Unbalanced Voltage Drop Report
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 3 (TRAPP3) Beginning with Device PD.3929.

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |         |            | mi<br>From<br>Src | Length<br>(mi) | Element   |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|---------|------------|-------------------|----------------|-----------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss | KW |            |              | KVAR |
| PD.2146-B    | PD.2146-A   | A   | Closed             | 7.54Y     | 125.6        | 0.00            | 0.39                     | 46.03        | 0        | 346        | 21        | 100     | 0.00       | 0.0               | 0.727          | 0.000     | 0  | 0          | 0            | 85   |
|              |             | B   |                    | 7.57Y     | 126.1        | 0.00            | -0.14                    | 10.55        | 0        | 68         | -42       | -85     |            |                   |                |           | 0  | 0          | 0            | 10   |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.28                     | 22.86        | 0        | 171        | -21       | -99     |            |                   |                |           | 0  | 0          | 0            | 42   |
| PL.16990     | PD.2146-B   | A   | 1/0ACSR            | 7.54Y     | 125.6        | 0.03            | 0.42                     | 46.03        | 14       | 346        | 21        | 100     | 0.10       | 0.0               | 0.765          | 0.038     | 0  | 0          | 0            | 85   |
|              |             | B   |                    | 7.57Y     | 126.2        | -0.01           | -0.15                    | 10.55        | 3        | 68         | -42       | -85     |            |                   |                |           | 0  | 0          | 0            | 10   |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.02            | 0.30                     | 22.86        | 7        | 171        | -21       | -99     |            |                   |                |           | 0  | 0          | 0            | 42   |
| PL.16989     | PL.16990    | A   | 1/0ACSR            | 7.53Y     | 125.6        | 0.03            | 0.44                     | 47.03        | 14       | 346        | 76        | 98      | 0.08       | 0.0               | 0.794          | 0.029     | 0  | 0          | 0            | 85   |
|              |             | B   |                    | 7.57Y     | 126.2        | -0.00           | -0.16                    | 9.12         | 3        | 68         | 13        | 98      |            |                   |                |           | 0  | 0          | 0            | 10   |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.02            | 0.32                     | 23.13        | 7        | 171        | 34        | 98      |            |                   |                |           | 0  | 0          | 0            | 42   |
| PL.45890     | PL.16989    | C   | 2ACSR              | 7.54Y     | 125.7        | 0.00            | 0.32                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 0.834          | 0.041     | 0  | 0          | 0            | 0    |
| 0697063      | PL.45890    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.32                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 0.834          | 0.000     | 0  | 0          | 0            | 0    |
| PL.10544     | PL.16989    | A   | 1/0ACSR            | 7.53Y     | 125.5        | 0.07            | 0.51                     | 46.29        | 14       | 341        | 74        | 98      | 0.21       | 0.0               | 0.873          | 0.080     | 0  | 0          | 0            | 84   |
|              |             | B   |                    | 7.57Y     | 126.2        | -0.01           | -0.17                    | 9.12         | 3        | 68         | 13        | 98      |            |                   |                |           | 0  | 0          | 0            | 10   |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.05            | 0.37                     | 23.13        | 7        | 171        | 34        | 98      |            |                   |                |           | 0  | 0          | 0            | 42   |
| PL.16992     | PL.10544    | C   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.37                     | 1.50         | 1        | 11         | 2         | 98      | 0.00       | 0.0               | 0.881          | 0.008     | 0  | 0          | 0            | 1    |
| PD.3134      | PL.16992    | C   | fuse6AMP           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 1.50         | 26       | 11         | 2         | 98      | 0.00       | 0.0               | 0.881          | 0.000     | 0  | 0          | 0            | 1    |
| PL.16993     | PD.3134     | C   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.37                     | 1.50         | 1        | 11         | 2         | 98      | 0.00       | 0.0               | 0.937          | 0.055     | 0  | 0          | 0            | 1    |
| 069743       | PL.16993    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 1.50         | 0        | 11         | 2         | 98      | 0.00       | 0.0               | 0.937          | 0.000     | 11 | 2          | 1            | 1    |
| 069739       | PL.16993    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 0.937          | 0.000     | 0  | 0          | 0            | 0    |
| 069702       | PL.16993    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 0.937          | 0.000     | 0  | 0          | 0            | 0    |
| PL.10545     | PL.10544    | A   | 1/0ACSR            | 7.53Y     | 125.4        | 0.07            | 0.58                     | 45.28        | 14       | 333        | 73        | 98      | 0.21       | 0.0               | 0.957          | 0.084     | 0  | 0          | 0            | 83   |
|              |             | B   |                    | 7.57Y     | 126.2        | -0.01           | -0.18                    | 9.12         | 3        | 68         | 13        | 98      |            |                   |                |           | 0  | 0          | 0            | 10   |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.05            | 0.42                     | 21.63        | 7        | 160        | 32        | 98      |            |                   |                |           | 0  | 0          | 0            | 41   |
| PL.27367     | PL.10545    | A   | 4ACSR              | 7.53Y     | 125.4        | 0.00            | 0.58                     | 1.21         | 1        | 9          | 3         | 95      | 0.00       | 0.0               | 0.966          | 0.008     | 0  | 0          | 0            | 2    |
| PD.3137      | PL.27367    | A   | fuse6AMP           | 7.53Y     | 125.4        | 0.00            | 0.58                     | 1.21         | 21       | 9          | 3         | 95      | 0.00       | 0.0               | 0.966          | 0.000     | 0  | 0          | 0            | 2    |
| PL.27368     | PD.3137     | A   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.58                     | 1.21         | 1        | 9          | 3         | 95      | 0.00       | 0.0               | 1.002          | 0.036     | 0  | 0          | 0            | 2    |
| 069718       | PL.27368    | A   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.58                     | 0.55         | 0        | 4          | 1         | 97      | 0.00       | 0.0               | 1.002          | 0.000     | 4  | 1          | 1            | 1    |
| 069610       | PL.27368    | A   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.58                     | 0.67         | 0        | 5          | 2         | 93      | 0.00       | 0.0               | 1.002          | 0.000     | 5  | 2          | 1            | 1    |
| PL.10989     | PL.10545    | A   | 1/0ACSR            | 7.52Y     | 125.4        | 0.02            | 0.61                     | 44.09        | 13       | 324        | 69        | 98      | 0.07       | 0.0               | 0.987          | 0.030     | 0  | 0          | 0            | 81   |
|              |             | B   |                    | 7.57Y     | 126.2        | -0.00           | -0.18                    | 9.12         | 3        | 68         | 13        | 98      |            |                   |                |           | 0  | 0          | 0            | 10   |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.02            | 0.43                     | 21.63        | 7        | 160        | 32        | 98      |            |                   |                |           | 0  | 0          | 0            | 41   |
| PL.16994     | PL.10989    | C   | 4ACSR              | 7.53Y     | 125.6        | 0.00            | 0.44                     | 5.48         | 3        | 40         | 8         | 98      | 0.00       | 0.0               | 0.996          | 0.009     | 0  | 0          | 0            | 8    |
| C PD.3135    | PL.16994    | C   | fuse6AMP           | 7.53Y     | 125.6        | 0.00            | 0.44                     | 5.48         | 94       | 40         | 8         | 98      | 0.00       | 0.0               | 0.996          | 0.000     | 0  | 0          | 0            | 8 C  |
| PL.16995     | PD.3135     | C   | 4ACSR              | 7.53Y     | 125.6        | 0.01            | 0.44                     | 5.48         | 3        | 40         | 8         | 98      | 0.00       | 0.0               | 1.025          | 0.029     | 0  | 0          | 0            | 8    |
| PL.25193     | PL.16995    | C   | 4ACSR              | 7.53Y     | 125.5        | 0.01            | 0.46                     | 4.94         | 3        | 37         | 7         | 98      | 0.00       | 0.0               | 1.088          | 0.063     | 0  | 0          | 0            | 7    |
| 069609       | PL.25193    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.46                     | 0.48         | 0        | 4          | 1         | 97      | 0.00       | 0.0               | 1.088          | 0.000     | 4  | 1          | 1            | 1    |
| PL.25192     | PL.25193    | C   | 4ACSR              | 7.53Y     | 125.5        | 0.01            | 0.47                     | 4.47         | 2        | 33         | 7         | 98      | 0.00       | 0.0               | 1.143          | 0.054     | 0  | 0          | 0            | 6    |
| PL.3901      | PL.25192    | C   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.47                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 1.211          | 0.068     | 0  | 0          | 0            | 0    |
| 069633       | PL.3901     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.47                     | 0.00         | 0        | 0          | 0         | 100     | 0.00       | 0.0               | 1.211          | 0.000     | 0  | 0          | 0            | 0    |
| PL.4414      | PL.25192    | C   | 4ACSR              | 7.53Y     | 125.5        | 0.01            | 0.47                     | 1.28         | 1        | 9          | 2         | 98      | 0.00       | 0.0               | 1.255          | 0.113     | 0  | 0          | 0            | 3    |
| 069626       | PL.4414     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.47                     | 0.69         | 0        | 5          | 1         | 98      | 0.00       | 0.0               | 1.255          | 0.000     | 5  | 1          | 1            | 1    |
| 069625       | PL.4414     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.47                     | 0.49         | 0        | 4          | 1         | 97      | 0.00       | 0.0               | 1.255          | 0.000     | 4  | 1          | 1            | 1    |
| 069612       | PL.4414     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.47                     | 0.10         | 0        | 1          | 0         | 100     | 0.00       | 0.0               | 1.255          | 0.000     | 1  | 0          | 1            | 1    |
| PL.4413      | PL.25192    | C   | 4ACSR              | 7.53Y     | 125.5        | 0.01            | 0.48                     | 3.18         | 2        | 23         | 5         | 98      | 0.00       | 0.0               | 1.201          | 0.059     | 0  | 0          | 0            | 3    |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | Element   |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-----------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss | KW |            |              | KVAR |
| PL.4150      | PL.4413     | C   | 4ACSR              | 7.53Y     | 125.5        | 0.01            | 0.49                     | 1.80         | 1        | 13         | 3    | 97      | 0.00       | 0.0               | 1.328          | 0.127     | 0  | 0          | 0            | 1    |
| 069630       | PL.4150     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 1.80         | 0        | 13         | 3    | 97      | 0.00       | 0.0               | 1.328          | 0.000     | 13 | 3          | 1            | 1    |
| 069635       | PL.4413     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 1.33         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 1.201          | 0.000     | 10 | 2          | 1            | 1    |
| 069608       | PL.4413     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.201          | 0.000     | 0  | 0          | 1            | 1    |
| 069611       | PL.16995    | C   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.44                     | 0.54         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.025          | 0.000     | 4  | 1          | 1            | 1    |
| PL.10990     | PL.10989    | A   | 1/0ACSR            | 7.52Y     | 125.3        | 0.09            | 0.70                     | 42.69        | 13       | 314        | 67   | 98      | 0.22       | 0.0               | 1.093          | 0.106     | 0  | 0          | 0            | 80   |
|              |             | B   |                    | 7.57Y     | 126.2        | -0.01           | -0.20                    | 9.12         | 3        | 68         | 13   | 98      |            |                   |                |           | 0  | 0          | 0            | 10   |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.05            | 0.48                     | 16.14        | 5        | 119        | 24   | 98      |            |                   |                |           | 0  | 0          | 0            | 33   |
| PL.10992     | PL.10990    | A   | 1/0ACSR            | 7.52Y     | 125.3        | 0.03            | 0.72                     | 42.69        | 13       | 314        | 67   | 98      | 0.07       | 0.0               | 1.125          | 0.032     | 0  | 0          | 0            | 80   |
|              |             | B   |                    | 7.57Y     | 126.2        | -0.00           | -0.20                    | 8.31         | 3        | 62         | 12   | 98      |            |                   |                |           | 0  | 0          | 0            | 8    |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.01            | 0.50                     | 16.14        | 5        | 119        | 24   | 98      |            |                   |                |           | 0  | 0          | 0            | 33   |
| PL.10991     | PL.10992    | A   | 1/0ACSR            | 7.51Y     | 125.2        | 0.03            | 0.76                     | 42.69        | 13       | 314        | 67   | 98      | 0.09       | 0.0               | 1.167          | 0.042     | 0  | 0          | 0            | 80   |
|              |             | B   |                    | 7.57Y     | 126.2        | -0.01           | -0.21                    | 7.96         | 2        | 59         | 11   | 98      |            |                   |                |           | 0  | 0          | 0            | 7    |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.02            | 0.51                     | 16.14        | 5        | 119        | 24   | 98      |            |                   |                |           | 0  | 0          | 0            | 33   |
| PL.364       | PL.10991    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.02            | 0.78                     | 8.38         | 4        | 62         | 13   | 98      | 0.01       | 0.0               | 1.225          | 0.059     | 0  | 0          | 0            | 11   |
|              |             | B   |                    | 7.57Y     | 126.2        | -0.00           | -0.21                    | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |           | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.01            | 0.52                     | 3.27         | 2        | 24         | 5    | 98      |            |                   |                |           | 0  | 0          | 0            | 7    |
| 069622       | PL.364      | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.225          | 0.000     | 0  | 0          | 1            | 1    |
| PL.27371     | PL.364      | A   | 4ACSR              | 7.51Y     | 125.2        | 0.01            | 0.78                     | 8.38         | 4        | 62         | 13   | 98      | 0.00       | 0.0               | 1.248          | 0.022     | 0  | 0          | 0            | 11   |
| C PD.3140    | PL.27371    | A   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.78                     | 8.38         | 143      | 62         | 13   | 98      | 0.00       | 0.0               | 1.248          | 0.000     | 0  | 0          | 0            | 11 C |
| PL.27372     | PD.3140     | A   | 4ACSR              | 7.51Y     | 125.1        | 0.07            | 0.85                     | 8.38         | 4        | 62         | 13   | 98      | 0.03       | 0.0               | 1.428          | 0.181     | 0  | 0          | 0            | 11   |
| 069617       | PL.27372    | A   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.85                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.428          | 0.000     | 0  | 0          | 0            | 0    |
| PL.10995     | PL.27372    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.16            | 1.01                     | 8.38         | 4        | 62         | 12   | 98      | 0.07       | 0.1               | 1.855          | 0.426     | 0  | 0          | 0            | 11   |
| PL.10996     | PL.10995    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.02            | 1.03                     | 6.20         | 3        | 46         | 9    | 98      | 0.01       | 0.0               | 1.932          | 0.078     | 0  | 0          | 0            | 8    |
| PL.3946      | PL.10996    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.03                     | 0.68         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.089          | 0.157     | 0  | 0          | 0            | 1    |
| 068603       | PL.3946     | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.03                     | 0.68         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.089          | 0.000     | 5  | 1          | 1            | 1    |
| PL.10997     | PL.10996    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 1.04                     | 5.52         | 3        | 41         | 8    | 98      | 0.00       | 0.0               | 1.965          | 0.033     | 0  | 0          | 0            | 7    |
| PL.10998     | PL.10997    | A   | 4ACSR              | 7.50Y     | 124.9        | 0.02            | 1.05                     | 3.44         | 2        | 25         | 5    | 98      | 0.00       | 0.0               | 2.088          | 0.123     | 0  | 0          | 0            | 6    |
| PL.3949      | PL.10998    | A   | 4ACSR              | 7.50Y     | 124.9        | 0.01            | 1.07                     | 2.69         | 1        | 20         | 4    | 98      | 0.00       | 0.0               | 2.184          | 0.096     | 0  | 0          | 0            | 3    |
| 068623       | PL.3949     | A   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.07                     | 1.66         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 2.184          | 0.000     | 12 | 2          | 1            | 1    |
| 068620       | PL.3949     | A   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.07                     | 0.73         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.184          | 0.000     | 5  | 1          | 1            | 1    |
| 068624       | PL.3949     | A   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.07                     | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.184          | 0.000     | 2  | 0          | 1            | 1    |
| PL.10999     | PL.10998    | A   | 4ACSR              | 7.50Y     | 124.9        | 0.00            | 1.06                     | 0.75         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.211          | 0.123     | 0  | 0          | 0            | 3    |
| 068628       | PL.10999    | A   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.06                     | 0.04         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.211          | 0.000     | 0  | 0          | 1            | 1    |
| 068622       | PL.10999    | A   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.06                     | 0.17         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.211          | 0.000     | 1  | 0          | 1            | 1    |
| PL.24766     | PL.10999    | A   | 4ACSR              | 7.50Y     | 124.9        | 0.00            | 1.06                     | 0.54         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.353          | 0.141     | 0  | 0          | 0            | 1    |
| 068602       | PL.24766    | A   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.06                     | 0.54         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.353          | 0.000     | 4  | 1          | 1            | 1    |
| PL.4147      | PL.10997    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 1.05                     | 2.07         | 1        | 15         | 3    | 98      | 0.00       | 0.0               | 2.072          | 0.107     | 0  | 0          | 0            | 1    |
| 068619       | PL.4147     | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.05                     | 2.07         | 0        | 15         | 3    | 98      | 0.00       | 0.0               | 2.072          | 0.000     | 15 | 3          | 1            | 1    |
| PL.3945      | PL.10995    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.01                     | 2.18         | 1        | 16         | 3    | 98      | 0.00       | 0.0               | 1.891          | 0.037     | 0  | 0          | 0            | 3    |
| PL.3947      | PL.3945     | A   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 1.02                     | 2.18         | 1        | 16         | 3    | 98      | 0.00       | 0.0               | 2.003          | 0.112     | 0  | 0          | 0            | 3    |
| 069618       | PL.3947     | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.02                     | 0.10         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.003          | 0.000     | 1  | 0          | 1            | 1    |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW | KVAR | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|-------------------------------------|----|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss |       |       |                   |                                     |    |      |            |              |
| PL.3948      | PL.3947     | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.02                     | 2.08         | 1        | 15         | 3    | 98      | 0.00       | 0.0       | 2.018 | 0.015 | 0                 | 0                                   | 0  | 2    |            |              |
| PL.25196     | PL.3948     | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.03                     | 2.08         | 1        | 15         | 3    | 98      | 0.00       | 0.0       | 2.047 | 0.029 | 0                 | 0                                   | 0  | 2    |            |              |
| 068618       | PL.25196    | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.03                     | 0.96         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 2.047 | 0.000 | 7                 | 1                                   | 1  | 1    |            |              |
| PL.25145     | PL.25196    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.03                     | 1.13         | 1        | 8          | 2    | 97      | 0.00       | 0.0       | 2.048 | 0.001 | 0                 | 0                                   | 0  | 1    |            |              |
| PL.4155      | PL.25145    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.03                     | 1.13         | 1        | 8          | 2    | 97      | 0.00       | 0.0       | 2.081 | 0.033 | 0                 | 0                                   | 0  | 1    |            |              |
| 068626       | PL.4155     | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.03                     | 1.13         | 0        | 8          | 2    | 97      | 0.00       | 0.0       | 2.081 | 0.000 | 8                 | 2                                   | 1  | 1    |            |              |
| PL.27369     | PL.364      | C   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.53                     | 3.27         | 2        | 24         | 5    | 98      | 0.00       | 0.0       | 1.234 | 0.009 | 0                 | 0                                   | 0  | 6    |            |              |
| PD.3136      | PL.27369    | C   | fuse6AMP           | 7.53Y     | 125.5        | 0.00            | 0.53                     | 3.27         | 56       | 24         | 5    | 98      | 0.00       | 0.0       | 1.234 | 0.000 | 0                 | 0                                   | 0  | 6    |            |              |
| PL.27370     | PD.3136     | C   | 4ACSR              | 7.53Y     | 125.5        | 0.01            | 0.54                     | 3.27         | 2        | 24         | 5    | 98      | 0.00       | 0.0       | 1.299 | 0.065 | 0                 | 0                                   | 0  | 6    |            |              |
| PL.3942      | PL.27370    | C   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.54                     | 3.08         | 2        | 23         | 5    | 98      | 0.00       | 0.0       | 1.332 | 0.034 | 0                 | 0                                   | 0  | 5    |            |              |
| PL.3943      | PL.3942     | C   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.54                     | 1.15         | 1        | 9          | 2    | 98      | 0.00       | 0.0       | 1.420 | 0.088 | 0                 | 0                                   | 0  | 3    |            |              |
| PL.3944      | PL.3943     | C   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.54                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.466 | 0.045 | 0                 | 0                                   | 0  | 1    |            |              |
| 069616       | PL.3944     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.466 | 0.000 | 0                 | 0                                   | 1  | 1    |            |              |
| 069627       | PL.3943     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.420 | 0.000 | 0                 | 0                                   | 1  | 1    |            |              |
| 069613       | PL.3943     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54                     | 1.10         | 0        | 8          | 2    | 97      | 0.00       | 0.0       | 1.420 | 0.000 | 8                 | 2                                   | 1  | 1    |            |              |
| 069624       | PL.3942     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54                     | 0.44         | 0        | 3          | 1    | 95      | 0.00       | 0.0       | 1.332 | 0.000 | 3                 | 1                                   | 1  | 1    |            |              |
| 069623       | PL.3942     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54                     | 1.48         | 0        | 11         | 2    | 98      | 0.00       | 0.0       | 1.332 | 0.000 | 11                | 2                                   | 1  | 1    |            |              |
| 069604       | PL.27370    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54                     | 0.19         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 1.299 | 0.000 | 1                 | 0                                   | 1  | 1    |            |              |
| PL.10994     | PL.10991    | A   | 1/0ACSR            | 7.51Y     | 125.2        | 0.05            | 0.81                     | 34.31        | 10       | 252        | 54   | 98      | 0.10       | 0.0       | 1.243 | 0.076 | 0                 | 0                                   | 0  | 69   |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | -0.01           | -0.22                    | 7.96         | 2        | 59         | 11   | 98      |            |           |       |       | 0                 | 0                                   | 0  | 7    |            |              |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.03            | 0.54                     | 12.87        | 4        | 95         | 19   | 98      |            |           |       |       | 0                 | 0                                   | 0  | 26   |            |              |
| PL.10993     | PL.10994    | A   | 1/0ACSR            | 7.51Y     | 125.1        | 0.04            | 0.85                     | 34.10        | 10       | 250        | 54   | 98      | 0.08       | 0.0       | 1.307 | 0.064 | 0                 | 0                                   | 0  | 68   |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | -0.01           | -0.22                    | 7.82         | 2        | 58         | 11   | 98      |            |           |       |       | 0                 | 0                                   | 0  | 6    |            |              |
|              |             | C   |                    | 7.53Y     | 125.4        | 0.02            | 0.56                     | 12.87        | 4        | 95         | 19   | 98      |            |           |       |       | 0                 | 0                                   | 0  | 26   |            |              |
| PL.7985      | PL.10993    | A   | 1/0ACSR            | 7.51Y     | 125.1        | 0.03            | 0.88                     | 34.10        | 10       | 250        | 54   | 98      | 0.06       | 0.0       | 1.352 | 0.045 | 0                 | 0                                   | 0  | 68   |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | -0.00           | -0.23                    | 7.61         | 2        | 57         | 10   | 98      |            |           |       |       | 0                 | 0                                   | 0  | 5    |            |              |
|              |             | C   |                    | 7.53Y     | 125.4        | 0.02            | 0.58                     | 12.87        | 4        | 95         | 19   | 98      |            |           |       |       | 0                 | 0                                   | 0  | 26   |            |              |
| PL.9183      | PL.7985     | A   | 1/0ACSR            | 7.51Y     | 125.1        | 0.01            | 0.89                     | 34.10        | 10       | 250        | 54   | 98      | 0.02       | 0.0       | 1.369 | 0.017 | 0                 | 0                                   | 0  | 68   |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | -0.00           | -0.23                    | 7.61         | 2        | 57         | 10   | 98      |            |           |       |       | 0                 | 0                                   | 0  | 5    |            |              |
|              |             | C   |                    | 7.52Y     | 125.4        | 0.01            | 0.58                     | 12.87        | 4        | 95         | 19   | 98      |            |           |       |       | 0                 | 0                                   | 0  | 26   |            |              |
| PL.9182      | PL.9183     | A   | 1/0ACSR            | 7.50Y     | 125.0        | 0.07            | 0.96                     | 34.10        | 10       | 250        | 54   | 98      | 0.14       | 0.0       | 1.472 | 0.103 | 0                 | 0                                   | 0  | 68   |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | -0.01           | -0.24                    | 6.81         | 2        | 51         | 9    | 98      |            |           |       |       | 0                 | 0                                   | 0  | 4    |            |              |
|              |             | C   |                    | 7.52Y     | 125.4        | 0.04            | 0.62                     | 12.87        | 4        | 95         | 19   | 98      |            |           |       |       | 0                 | 0                                   | 0  | 26   |            |              |
| PL.5520      | PL.9182     | A   | 1/0ACSR            | 7.50Y     | 125.0        | 0.07            | 1.04                     | 34.10        | 10       | 250        | 54   | 98      | 0.15       | 0.0       | 1.584 | 0.111 | 0                 | 0                                   | 0  | 68   |            |              |
|              |             | B   |                    | 7.58Y     | 126.3        | -0.01           | -0.26                    | 6.20         | 2        | 46         | 8    | 98      |            |           |       |       | 0                 | 0                                   | 0  | 3    |            |              |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.04            | 0.66                     | 12.85        | 4        | 95         | 19   | 98      |            |           |       |       | 0                 | 0                                   | 0  | 25   |            |              |
| PL.27360     | PL.5520     | A   | 4ACSR              | 7.50Y     | 124.9        | 0.01            | 1.05                     | 22.44        | 12       | 164        | 37   | 98      | 0.01       | 0.0       | 1.595 | 0.012 | 0                 | 0                                   | 0  | 56   |            |              |
| PD.2739      | PL.27360    | A   | 50V4E              | 7.50Y     | 124.9        | 0.00            | 1.05                     | 22.44        | 0        | 164        | 37   | 98      | 0.00       | 0.0       | 1.595 | 0.000 | 0                 | 0                                   | 0  | 56   |            |              |
| PL.27359     | PD.2739     | A   | 4ACSR              | 7.49Y     | 124.8        | 0.17            | 1.22                     | 22.44        | 12       | 164        | 37   | 98      | 0.20       | 0.1       | 1.763 | 0.167 | 0                 | 0                                   | 0  | 56   |            |              |
| PL.27361     | PL.27359    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.46         | 0        | 3          | 1    | 95      | 0.00       | 0.0       | 1.778 | 0.015 | 0                 | 0                                   | 0  | 2    |            |              |
| PD.586       | PL.27361    | A   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.46         | 8        | 3          | 1    | 95      | 0.00       | 0.0       | 1.778 | 0.000 | 0                 | 0                                   | 0  | 2    |            |              |
| PL.27362     | PD.586      | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.46         | 0        | 3          | 1    | 95      | 0.00       | 0.0       | 1.858 | 0.080 | 0                 | 0                                   | 0  | 2    |            |              |
| PL.5104      | PL.27362    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.46         | 0        | 3          | 1    | 95      | 0.00       | 0.0       | 1.953 | 0.095 | 0                 | 0                                   | 0  | 2    |            |              |
| PL.821       | PL.5104     | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.46         | 0        | 3          | 1    | 95      | 0.00       | 0.0       | 2.048 | 0.095 | 0                 | 0                                   | 0  | 2    |            |              |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 120613       | PL.821      | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.46         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 2.048                               | 0.000 | 3    | 1          | 1            | 1         |
| 120633       | PL.821      | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.048                               | 0.000 | 0    | 0          | 1            | 1         |
| 120628       | PL.27362    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.858                               | 0.000 | 0    | 0          | 0            | 0         |
| 120609       | PL.27362    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.858                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.27363     | PL.27359    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.36         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.779                               | 0.016 | 0    | 0          | 0            | 1         |
| PD.587       | PL.27363    | A   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.36         | 6        | 3          | 1    | 95      | 0.00       | 0.0               | 1.779                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.27364     | PD.587      | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.36         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.859                               | 0.080 | 0    | 0          | 0            | 1         |
| 120607       | PL.27364    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 0.36         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.859                               | 0.000 | 3    | 1          | 1            | 1         |
| PL.9169      | PL.27359    | A   | 4ACSR              | 7.48Y     | 124.7        | 0.07            | 1.29                     | 21.61        | 11       | 158        | 36   | 98      | 0.08       | 0.1               | 1.839                               | 0.076 | 0    | 0          | 0            | 53        |
| 120610       | PL.9169     | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.29                     | 0.41         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.839                               | 0.000 | 3    | 1          | 1            | 1         |
| PL.5103      | PL.9169     | A   | 4ACSR              | 7.48Y     | 124.6        | 0.12            | 1.41                     | 21.20        | 11       | 155        | 35   | 98      | 0.14       | 0.1               | 1.967                               | 0.128 | 0    | 0          | 0            | 52        |
| PL.9170      | PL.5103     | A   | 4ACSR              | 7.47Y     | 124.5        | 0.05            | 1.46                     | 20.89        | 11       | 152        | 35   | 97      | 0.06       | 0.0               | 2.022                               | 0.054 | 0    | 0          | 0            | 51        |
| PL.9171      | PL.9170     | A   | 4ACSR              | 7.47Y     | 124.5        | 0.06            | 1.52                     | 20.30        | 10       | 148        | 34   | 97      | 0.07       | 0.0               | 2.093                               | 0.071 | 0    | 0          | 0            | 50        |
| PL.9173      | PL.9171     | A   | 4ACSR              | 7.47Y     | 124.5        | 0.03            | 1.55                     | 19.79        | 10       | 144        | 33   | 97      | 0.03       | 0.0               | 2.123                               | 0.030 | 0    | 0          | 0            | 49        |
| 121606       | PL.9173     | A   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.55                     | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.123                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.9172      | PL.9173     | A   | 4ACSR              | 7.46Y     | 124.4        | 0.08            | 1.63                     | 19.64        | 10       | 143        | 33   | 97      | 0.08       | 0.1               | 2.213                               | 0.090 | 0    | 0          | 0            | 48        |
| PL.9174      | PL.9172     | A   | 4ACSR              | 7.46Y     | 124.4        | 0.02            | 1.65                     | 19.64        | 10       | 143        | 33   | 97      | 0.02       | 0.0               | 2.237                               | 0.023 | 0    | 0          | 0            | 48        |
| PL.28387     | PL.9174     | A   | 4ACSR              | 7.46Y     | 124.3        | 0.08            | 1.72                     | 19.58        | 10       | 142        | 32   | 98      | 0.08       | 0.1               | 2.325                               | 0.088 | 0    | 0          | 0            | 46        |
| PL.28386     | PL.28387    | A   | 4ACSR              | 7.45Y     | 124.2        | 0.07            | 1.79                     | 16.42        | 8        | 119        | 28   | 97      | 0.06       | 0.1               | 2.422                               | 0.097 | 0    | 0          | 0            | 43        |
| PL.5099      | PL.28386    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.09            | 1.88                     | 15.87        | 8        | 115        | 27   | 97      | 0.07       | 0.1               | 2.545                               | 0.123 | 0    | 0          | 0            | 41        |
| 121608       | PL.5099     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.88                     | 0.16         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.545                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.17161     | PL.5099     | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.88                     | 1.48         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 2.556                               | 0.011 | 0    | 0          | 0            | 3         |
| PD.590       | PL.17161    | A   | fuse6AMP           | 7.45Y     | 124.1        | 0.00            | 1.88                     | 1.48         | 25       | 11         | 2    | 98      | 0.00       | 0.0               | 2.556                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.17162     | PD.590      | A   | 4ACSR              | 7.45Y     | 124.1        | 0.01            | 1.89                     | 1.48         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 2.642                               | 0.086 | 0    | 0          | 0            | 3         |
| 121612       | PL.17162    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 0.16         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.642                               | 0.000 | 1    | 0          | 1            | 1         |
| 121640       | PL.17162    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 1.29         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 2.642                               | 0.000 | 9    | 2          | 1            | 1         |
| 121625       | PL.17162    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.642                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.5098      | PL.5099     | A   | 4ACSR              | 7.45Y     | 124.1        | 0.03            | 1.91                     | 14.24        | 7        | 103        | 25   | 97      | 0.02       | 0.0               | 2.593                               | 0.048 | 0    | 0          | 0            | 37        |
| PL.42250     | PL.5098     | A   | 4ACSR              | 7.44Y     | 124.1        | 0.02            | 1.93                     | 14.24        | 7        | 103        | 25   | 97      | 0.01       | 0.0               | 2.622                               | 0.029 | 0    | 0          | 0            | 37        |
| PD.7667-A    | PL.42250    | A   | Closed             | 7.44Y     | 124.1        | 0.00            | 1.93                     | 14.24        | 0        | 103        | 25   | 97      | 0.00       | 0.0               | 2.622                               | 0.000 | 0    | 0          | 0            | 37        |
| PD.7667-B    | PD.7667-A   | A   | Closed             | 7.44Y     | 124.1        | 0.00            | 1.93                     | 14.24        | 0        | 103        | 25   | 97      | 0.00       | 0.0               | 2.622                               | 0.000 | 0    | 0          | 0            | 37        |
| PL.42251     | PD.7667-B   | A   | 4ACSR              | 7.44Y     | 124.1        | 0.00            | 1.93                     | 14.24        | 7        | 103        | 25   | 97      | 0.00       | 0.0               | 2.630                               | 0.008 | 0    | 0          | 0            | 37        |
| PL.17163     | PL.42251    | A   | 4ACSR              | 7.44Y     | 124.1        | 0.00            | 1.93                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.645                               | 0.016 | 0    | 0          | 0            | 1         |
| PD.591       | PL.17163    | A   | fuse6AMP           | 7.44Y     | 124.1        | 0.00            | 1.93                     | 0.26         | 4        | 2          | 0    | 100     | 0.00       | 0.0               | 2.645                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.17164     | PD.591      | A   | 4ACSR              | 7.44Y     | 124.1        | 0.00            | 1.94                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.732                               | 0.087 | 0    | 0          | 0            | 1         |
| 121631       | PL.17164    | A   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.94                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.732                               | 0.000 | 2    | 0          | 1            | 1         |
| 121630       | PL.17164    | A   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.94                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.732                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.9176      | PL.42251    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.06            | 2.00                     | 13.58        | 7        | 98         | 24   | 97      | 0.04       | 0.0               | 2.731                               | 0.101 | 0    | 0          | 0            | 35        |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.9177      | PL.9176     | A   | 4ACSR              | 7.44Y     | 123.9        | 0.06            | 2.06                     | 13.58        | 7        | 98         | 24   | 97      | 0.04       | 0.0               | 2.832                               | 0.101 | 0    | 0          | 0            | 35        |
| PL.17167     | PL.9177     | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.852                               | 0.020 | 0    | 0          | 0            | 0         |
| PD.593       | PL.17167    | A   | fuse6AMP           | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.852                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.17168     | PD.593      | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.005                               | 0.153 | 0    | 0          | 0            | 0         |
| 1216049      | PL.17168    | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.005                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.17165     | PL.9177     | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.79         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.845                               | 0.013 | 0    | 0          | 0            | 1         |
| PD.594       | PL.17165    | A   | fuse6AMP           | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.79         | 13       | 6          | 1    | 99      | 0.00       | 0.0               | 2.845                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.17166     | PD.594      | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.79         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.918                               | 0.073 | 0    | 0          | 0            | 1         |
| 121614       | PL.17166    | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.79         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.918                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.9178      | PL.9177     | A   | 4ACSR              | 7.44Y     | 123.9        | 0.02            | 2.08                     | 12.79        | 7        | 92         | 22   | 97      | 0.02       | 0.0               | 2.871                               | 0.039 | 0    | 0          | 0            | 34        |
| PL.5534      | PL.9178     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.16            | 2.24                     | 12.79        | 7        | 92         | 22   | 97      | 0.11       | 0.1               | 3.148                               | 0.277 | 0    | 0          | 0            | 34        |
| PL.9179      | PL.5534     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.05            | 2.29                     | 11.40        | 6        | 82         | 20   | 97      | 0.03       | 0.0               | 3.249                               | 0.102 | 0    | 0          | 0            | 33        |
| PL.9180      | PL.9179     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.09            | 2.38                     | 10.95        | 6        | 79         | 20   | 97      | 0.05       | 0.1               | 3.436                               | 0.186 | 0    | 0          | 0            | 32        |
| PL.21660     | PL.9180     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.35         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 3.445                               | 0.009 | 0    | 0          | 0            | 3         |
| PD.3077      | PL.21660    | A   | fuse6AMP           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.35         | 6        | 3          | 1    | 95      | 0.00       | 0.0               | 3.445                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.21661     | PD.3077     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.35         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 3.464                               | 0.019 | 0    | 0          | 0            | 3         |
| PL.819       | PL.21661    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.526                               | 0.062 | 0    | 0          | 0            | 1         |
| 122611       | PL.819      | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.526                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.5528      | PL.21661    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.608                               | 0.144 | 0    | 0          | 0            | 2         |
| 122634       | PL.5528     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.608                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.5529      | PL.5528     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.831                               | 0.223 | 0    | 0          | 0            | 1         |
| PL.817       | PL.5529     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.011                               | 0.180 | 0    | 0          | 0            | 1         |
| PL.31879     | PL.817      | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.060                               | 0.049 | 0    | 0          | 0            | 1         |
| 1226044      | PL.31879    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.060                               | 0.000 | 1    | 0          | 1            | 1         |
| 122606       | PL.9180     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.38                     | 0.67         | 0        | 4          | 2    | 89      | 0.00       | 0.0               | 3.436                               | 0.000 | 4    | 2          | 1            | 1         |
| PL.17171     | PL.9180     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.38                     | 9.94         | 5        | 72         | 17   | 97      | 0.00       | 0.0               | 3.447                               | 0.011 | 0    | 0          | 0            | 28        |
| PD.3308      | PL.17171    | A   | 25L                | 7.42Y     | 123.6        | 0.00            | 2.38                     | 9.94         | 40       | 72         | 17   | 97      | 0.00       | 0.0               | 3.447                               | 0.000 | 0    | 0          | 0            | 28        |
| PL.17172     | PD.3308     | A   | 4ACSR              | 7.41Y     | 123.6        | 0.05            | 2.44                     | 9.94         | 5        | 72         | 17   | 97      | 0.03       | 0.0               | 3.567                               | 0.120 | 0    | 0          | 0            | 28        |
| PL.17203     | PL.17172    | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.44                     | 1.10         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 3.577                               | 0.010 | 0    | 0          | 0            | 2         |
| PD.596       | PL.17203    | A   | fuse6AMP           | 7.41Y     | 123.6        | 0.00            | 2.44                     | 1.10         | 19       | 8          | 2    | 97      | 0.00       | 0.0               | 3.577                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.17204     | PD.596      | A   | 4ACSR              | 7.41Y     | 123.6        | 0.01            | 2.44                     | 1.10         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 3.683                               | 0.106 | 0    | 0          | 0            | 2         |
| 122639       | PL.17204    | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.44                     | 0.73         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 3.683                               | 0.000 | 5    | 1          | 1            | 1         |
| 122640       | PL.17204    | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.44                     | 0.37         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 3.683                               | 0.000 | 3    | 1          | 1            | 1         |
| PL.9181      | PL.17172    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.03            | 2.46                     | 8.84         | 5        | 64         | 15   | 97      | 0.01       | 0.0               | 3.636                               | 0.069 | 0    | 0          | 0            | 26        |
| PL.30800     | PL.9181     | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.46                     | 1.60         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 3.648                               | 0.012 | 0    | 0          | 0            | 2         |
| PL.17205     | PL.30800    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.01            | 2.48                     | 1.60         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 3.819                               | 0.171 | 0    | 0          | 0            | 2         |
| PL.806       | PL.17205    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.70         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 3.956                               | 0.137 | 0    | 0          | 0            | 1         |
| PL.36528     | PL.806      | A   | 2ACSR              | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.70         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 3.986                               | 0.030 | 0    | 0          | 0            | 1         |



Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 1227029      | PL.36528    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.70         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.986                               | 0.000 | 5    | 1          | 1            | 1  |
| PL.27708     | PL.17205    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.90         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.826                               | 0.006 | 0    | 0          | 0            | 1  |
| PD.77        | PL.27708    | A   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.90         | 15       | 7          | 1       | 99         | 0.00      | 0.0               | 3.826                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.27707     | PD.77       | A   | 4ACSR              | 7.41Y     | 123.5        | 0.01            | 2.48                     | 0.90         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.968                               | 0.143 | 0    | 0          | 0            | 1  |
| PL.807       | PL.27707    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.49                     | 0.90         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.067                               | 0.099 | 0    | 0          | 0            | 1  |
| 122723       | PL.807      | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.49                     | 0.90         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.067                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.5526      | PL.9181     | A   | 4ACSR              | 7.41Y     | 123.5        | 0.04            | 2.50                     | 6.85         | 4        | 49         | 12      | 97         | 0.01      | 0.0               | 3.765                               | 0.129 | 0    | 0          | 0            | 23 |
| PL.42221     | PL.5526     | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.50                     | 0.90         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.774                               | 0.009 | 0    | 0          | 0            | 3  |
| PD.7651      | PL.42221    | A   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.50                     | 0.90         | 15       | 7          | 1       | 99         | 0.00      | 0.0               | 3.774                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.42222     | PD.7651     | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.50                     | 0.90         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.782                               | 0.009 | 0    | 0          | 0            | 3  |
| PL.18771     | PL.42222    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.51                     | 0.90         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.868                               | 0.086 | 0    | 0          | 0            | 3  |
| 122637       | PL.18771    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.51                     | 0.43         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.868                               | 0.000 | 3    | 1          | 1            | 1  |
| PL.815       | PL.18771    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.51                     | 0.47         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.019                               | 0.151 | 0    | 0          | 0            | 2  |
| 122636       | PL.815      | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.51                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.019                               | 0.000 | 0    | 0          | 1            | 1  |
| 122638       | PL.815      | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.51                     | 0.45         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.019                               | 0.000 | 3    | 1          | 1            | 1  |
| 122642       | PL.5526     | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.50                     | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.765                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.42223     | PL.5526     | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.50                     | 1.07         | 1        | 8          | 2       | 97         | 0.00      | 0.0               | 3.776                               | 0.011 | 0    | 0          | 0            | 2  |
| PD.7652      | PL.42223    | A   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.50                     | 1.07         | 18       | 8          | 2       | 97         | 0.00      | 0.0               | 3.776                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.42224     | PD.7652     | A   | 4ACSR              | 7.41Y     | 123.5        | 0.01            | 2.51                     | 1.07         | 1        | 8          | 2       | 97         | 0.00      | 0.0               | 3.885                               | 0.109 | 0    | 0          | 0            | 2  |
| 122627       | PL.42224    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.51                     | 1.07         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 3.885                               | 0.000 | 8    | 2          | 1            | 1  |
| 122632       | PL.42224    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.51                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.885                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.42219     | PL.5526     | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.50                     | 4.77         | 2        | 34         | 9       | 97         | 0.00      | 0.0               | 3.777                               | 0.012 | 0    | 0          | 0            | 17 |
| PD.78-A      | PL.42219    | A   | Closed             | 7.41Y     | 123.5        | 0.00            | 2.50                     | 4.77         | 0        | 34         | 9       | 97         | 0.00      | 0.0               | 3.777                               | 0.000 | 0    | 0          | 0            | 17 |
| PD.78-B      | PD.78-A     | A   | Closed             | 7.41Y     | 123.5        | 0.00            | 2.50                     | 4.77         | 0        | 34         | 9       | 97         | 0.00      | 0.0               | 3.777                               | 0.000 | 0    | 0          | 0            | 17 |
| PL.42220     | PD.78-B     | A   | 4ACSR              | 7.41Y     | 123.5        | 0.01            | 2.51                     | 4.77         | 2        | 34         | 9       | 97         | 0.00      | 0.0               | 3.812                               | 0.035 | 0    | 0          | 0            | 17 |
| PL.36534     | PL.42220    | A   | 2ACSR              | 7.41Y     | 123.5        | 0.00            | 2.51                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.868                               | 0.056 | 0    | 0          | 0            | 0  |
| 1226045      | PL.36534    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.51                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.868                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.36536     | PL.42220    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.01            | 2.52                     | 4.77         | 2        | 34         | 9       | 97         | 0.00      | 0.0               | 3.844                               | 0.032 | 0    | 0          | 0            | 17 |
| 122629       | PL.36536    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.53         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.844                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.10947     | PL.36536    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52                     | 4.24         | 2        | 30         | 9       | 96         | 0.00      | 0.0               | 3.865                               | 0.021 | 0    | 0          | 0            | 16 |
| PL.10948     | PL.10947    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.53                     | 4.24         | 2        | 30         | 9       | 96         | 0.00      | 0.0               | 3.886                               | 0.021 | 0    | 0          | 0            | 16 |
| PL.10949     | PL.10948    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.01            | 2.53                     | 3.72         | 2        | 26         | 8       | 96         | 0.00      | 0.0               | 3.929                               | 0.043 | 0    | 0          | 0            | 14 |
| PL.17209     | PL.10949    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.53                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.938                               | 0.010 | 0    | 0          | 0            | 5  |
| PD.626       | PL.17209    | A   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.53                     | 0.55         | 9        | 4          | 1       | 97         | 0.00      | 0.0               | 3.938                               | 0.000 | 0    | 0          | 0            | 5  |
| PL.17210     | PD.626      | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.54                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.023                               | 0.085 | 0    | 0          | 0            | 5  |
| 123607       | PL.17210    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.54                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.023                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.35584     | PL.17210    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.54                     | 0.25         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.130                               | 0.107 | 0    | 0          | 0            | 4  |
| 1236014      | PL.35584    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.54                     | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.130                               | 0.000 | 1    | 0          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|---------------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                     | %<br>Loss         | KW |            |              | KVAR |
| PL.35585     | PL.35584    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.54   | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.275               | 0.145             | 0  | 0          | 0            | 3    |
| PL.330       | PL.35585    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.54   | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.523               | 0.248             | 0  | 0          | 0            | 2    |
| PL.333       | PL.330      | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.54   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.592               | 0.069             | 0  | 0          | 0            | 1    |
| 123613       | PL.333      | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.54   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.592               | 0.000             | 0  | 0          | 1            | 1    |
| 123606       | PL.330      | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.54   | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.523               | 0.000             | 1  | 0          | 1            | 1    |
| PL.331       | PL.35585    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.54   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.410               | 0.136             | 0  | 0          | 0            | 1    |
| 123701       | PL.331      | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.54   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.410               | 0.000             | 0  | 0          | 1            | 1    |
| PL.10605     | PL.10949    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.01            | 2.55   | 3.18         | 2        | 22         | 7    | 95      | 0.00       | 0.0               | 4.013               | 0.084             | 0  | 0          | 0            | 9    |
| PL.10606     | PL.10605    | A   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.55   | 1.80         | 1        | 13         | 3    | 97      | 0.00       | 0.0               | 4.070               | 0.057             | 0  | 0          | 0            | 8    |
| 123604       | PL.10606    | A   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.55   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.070               | 0.000             | 0  | 0          | 1            | 1    |
| PL.42229     | PL.10606    | A   | 4ACSR              | 7.41Y     | 123.4        | 0.01            | 2.56   | 1.56         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 4.257               | 0.187             | 0  | 0          | 0            | 5    |
| PD.7655-A    | PL.42229    | A   | Closed             | 7.41Y     | 123.4        | 0.00            | 2.56   | 1.56         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 4.257               | 0.000             | 0  | 0          | 0            | 5    |
| PD.7655-B    | PD.7655-A   | A   | Closed             | 7.41Y     | 123.4        | 0.00            | 2.56   | 1.56         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 4.257               | 0.000             | 0  | 0          | 0            | 5    |
| PL.42230     | PD.7655-B   | A   | 4ACSR              | 7.41Y     | 123.4        | 0.01            | 2.57   | 1.56         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 4.341               | 0.084             | 0  | 0          | 0            | 5    |
| PL.28870     | PL.42230    | A   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.57   | 1.56         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 4.341               | 0.000             | 0  | 0          | 0            | 5    |
| PL.10607     | PL.28870    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.03            | 2.59   | 1.56         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 4.712               | 0.371             | 0  | 0          | 0            | 5    |
| PL.329       | PL.10607    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.60   | 0.58         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 4.767               | 0.056             | 0  | 0          | 0            | 1    |
| 123603       | PL.329      | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.60   | 0.58         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 4.767               | 0.000             | 4  | 1          | 1            | 1    |
| PL.10608     | PL.10607    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.01            | 2.61   | 0.99         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 5.011               | 0.300             | 0  | 0          | 0            | 4    |
| 124604       | PL.10608    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.61   | 0.25         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.011               | 0.000             | 2  | 0          | 1            | 1    |
| 124601       | PL.10608    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.61   | 0.08         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 5.011               | 0.000             | 1  | 0          | 1            | 1    |
| PL.5129      | PL.10608    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.01            | 2.61   | 0.66         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 5.210               | 0.199             | 0  | 0          | 0            | 2    |
| PL.5128      | PL.5129     | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.61   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.289               | 0.079             | 0  | 0          | 0            | 0    |
| 124603       | PL.5128     | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.61   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.289               | 0.000             | 0  | 0          | 0            | 0    |
| 124602       | PL.5129     | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.61   | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.210               | 0.000             | 2  | 0          | 1            | 1    |
| 124605       | PL.5129     | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.61   | 0.40         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 5.210               | 0.000             | 3  | 1          | 1            | 1    |
| PL.42227     | PL.10606    | A   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.55   | 0.23         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.077               | 0.007             | 0  | 0          | 0            | 2    |
| PD.7654      | PL.42227    | A   | fuse6AMP           | 7.41Y     | 123.4        | 0.00            | 2.55   | 0.23         | 4        | 2          | 0    | 100     | 0.00       | 0.0               | 4.077               | 0.000             | 0  | 0          | 0            | 2    |
| PL.42228     | PD.7654     | A   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.55   | 0.23         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.151               | 0.074             | 0  | 0          | 0            | 2    |
| 123601       | PL.42228    | A   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.55   | 0.16         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.151               | 0.000             | 1  | 0          | 1            | 1    |
| 123609       | PL.42228    | A   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.55   | 0.07         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.151               | 0.000             | 0  | 0          | 1            | 1    |
| 123612       | PL.10605    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.55   | 1.40         | 0        | 9          | 5    | 87      | 0.00       | 0.0               | 4.013               | 0.000             | 9  | 5          | 1            | 1    |
| PL.42225     | PL.10948    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.53   | 0.52         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.892               | 0.006             | 0  | 0          | 0            | 2    |
| PD.7653      | PL.42225    | A   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.53   | 0.52         | 9        | 4          | 1    | 97      | 0.00       | 0.0               | 3.892               | 0.000             | 0  | 0          | 0            | 2    |
| PL.42226     | PD.7653     | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.53   | 0.52         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.935               | 0.043             | 0  | 0          | 0            | 2    |
| 123608       | PL.42226    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.53   | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.935               | 0.000             | 2  | 0          | 1            | 1    |
| PL.5131      | PL.42226    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.53   | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.109               | 0.174             | 0  | 0          | 0            | 1    |
| 123611       | PL.5131     | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.53   | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.109               | 0.000             | 2  | 0          | 1            | 1    |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.17207     | PL.9181     | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.46   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.646                               | 0.010 | 0    | 0          | 0            | 0  |
| PD.598       | PL.17207    | A   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.46   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.646                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.17208     | PD.598      | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.46   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.697                               | 0.051 | 0    | 0          | 0            | 0  |
| 122607       | PL.17208    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.46   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.697                               | 0.000 | 0    | 0          | 0            | 0  |
| 122615       | PL.9181     | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.46   | 0.40         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.636                               | 0.000 | 3    | 1          | 1            | 1  |
| PL.17169     | PL.9179     | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.29   | 0.45         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.263                               | 0.013 | 0    | 0          | 0            | 1  |
| PD.595       | PL.17169    | A   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.29   | 0.45         | 8        | 3          | 1       | 95         | 0.00      | 0.0               | 3.263                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.17170     | PD.595      | A   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.29   | 0.45         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.331                               | 0.069 | 0    | 0          | 0            | 1  |
| 122624       | PL.17170    | A   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.29   | 0.45         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.331                               | 0.000 | 3    | 1          | 1            | 1  |
| 122605       | PL.5534     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.24   | 1.40         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 3.148                               | 0.000 | 10   | 2          | 1            | 1  |
| 121638       | PL.9178     | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.08   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.871                               | 0.000 | 0    | 0          | 0            | 0  |
| 121609       | PL.42251    | A   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.93   | 0.39         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 2.630                               | 0.000 | 3    | 1          | 1            | 1  |
| 121622       | PL.28386    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.79   | 0.17         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.422                               | 0.000 | 1    | 0          | 1            | 1  |
| 121616       | PL.28386    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.79   | 0.38         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 2.422                               | 0.000 | 3    | 1          | 1            | 1  |
| 121617       | PL.28387    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.72   | 1.99         | 0        | 15         | 3       | 98         | 0.00      | 0.0               | 2.325                               | 0.000 | 15   | 3          | 1            | 1  |
| 121643       | PL.28387    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.72   | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.325                               | 0.000 | 2    | 0          | 1            | 1  |
| 121626       | PL.28387    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.72   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.325                               | 0.000 | 0    | 0          | 0            | 0  |
| 121641       | PL.28387    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.72   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.325                               | 0.000 | 0    | 0          | 0            | 0  |
| 121645       | PL.28387    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.72   | 0.88         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.325                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.16949     | PL.9174     | A   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.65   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.248                               | 0.012 | 0    | 0          | 0            | 1  |
| PD.589       | PL.16949    | A   | fuse6AMP           | 7.46Y     | 124.4        | 0.00            | 1.65   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.248                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.17149     | PD.589      | A   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.65   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.363                               | 0.115 | 0    | 0          | 0            | 1  |
| 121611       | PL.17149    | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.65   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.363                               | 0.000 | 0    | 0          | 1            | 1  |
| 121647       | PL.9174     | A   | Consumer           | 7.46Y     | 124.4        | 0.00            | 1.65   | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.237                               | 0.000 | 0    | 0          | 1            | 1  |
| 121620       | PL.9171     | A   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.52   | 0.51         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.093                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.27365     | PL.9170     | A   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.46   | 0.59         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.032                               | 0.010 | 0    | 0          | 0            | 1  |
| PD.588       | PL.27365    | A   | fuse6AMP           | 7.47Y     | 124.5        | 0.00            | 1.46   | 0.59         | 10       | 4          | 1       | 97         | 0.00      | 0.0               | 2.032                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.27366     | PD.588      | A   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.46   | 0.59         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.107                               | 0.075 | 0    | 0          | 0            | 1  |
| 121610       | PL.27366    | A   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.46   | 0.59         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.107                               | 0.000 | 4    | 1          | 1            | 1  |
| 121605       | PL.5103     | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.41   | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.967                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.702       | PL.5520     | A   | 1/0ACSR            | 7.50Y     | 124.9        | 0.02            | 1.06   | 11.67        | 4        | 86         | 16      | 98         | 0.04      | 0.0               | 1.732                               | 0.149 | 0    | 0          | 0            | 12 |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.01            | -0.25  | 6.20         | 2        | 46         | 8       | 98         |           |                   |                                     |       | 0    | 0          | 0            | 3  |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.04            | 0.70   | 12.85        | 4        | 95         | 19      | 98         |           |                   |                                     |       | 0    | 0          | 0            | 25 |
| PL.705       | PL.702      | A   | 4ACSR              | 7.50Y     | 124.9        | 0.00            | 1.07   | 1.34         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 1.810                               | 0.077 | 0    | 0          | 0            | 1  |
| 120627       | PL.705      | A   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.07   | 1.34         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 1.810                               | 0.000 | 10   | 2          | 1            | 1  |
| PL.26900     | PL.702      | A   | 4ACSR              | 7.50Y     | 124.9        | 0.00            | 1.06   | 2.00         | 1        | 15         | 3       | 98         | 0.00      | 0.0               | 1.743                               | 0.011 | 0    | 0          | 0            | 3  |
| PD.600       | PL.26900    | A   | fuse6AMP           | 7.50Y     | 124.9        | 0.00            | 1.06   | 2.00         | 34       | 15         | 3       | 98         | 0.00      | 0.0               | 1.743                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.26901     | PD.600      | A   | 4ACSR              | 7.50Y     | 124.9        | 0.00            | 1.07   | 2.00         | 1        | 15         | 3       | 98         | 0.00      | 0.0               | 1.794                               | 0.050 | 0    | 0          | 0            | 3  |
| 120626       | PL.26901    | A   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.07   | 1.18         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 1.794                               | 0.000 | 9    | 2          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | Length<br>(mi) | Element |    | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|----------------|---------|----|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | KW    | KVAR  |                   |                |         |    |            |              |
| PL.703       | PL.26901    | A   | 4ACSR              | 7.50Y     | 124.9        | 0.00            | 1.07                     | 0.82         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 1.882 | 0.088 | 0                 | 0              | 0       | 2  |            |              |
| 120630       | PL.703      | A   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.07                     | 0.78         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 1.882 | 0.000 | 6                 | 1              | 1       | 1  |            |              |
| 120625       | PL.703      | A   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.07                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.882 | 0.000 | 0                 | 0              | 0       | 0  |            |              |
| 120634       | PL.703      | A   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.07                     | 0.04         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.882 | 0.000 | 0                 | 0              | 1       | 1  |            |              |
| PL.28014     | PL.702      | A   | 1/0ACSR            | 7.50Y     | 124.9        | 0.00            | 1.07                     | 8.32         | 3        | 61         | 12   | 98      | 0.01       | 0.0       | 1.782 | 0.050 | 0                 | 0              | 0       | 8  |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.01            | -0.24                    | 6.20         | 2        | 46         | 8    | 98      |            |           |       |       | 0                 | 0              | 0       | 3  |            |              |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.01            | 0.71                     | 11.86        | 4        | 88         | 17   | 98      |            |           |       |       | 0                 | 0              | 0       | 24 |            |              |
| 120605       | PL.28014    | B   | Consumer           | 7.57Y     | 126.2        | 0.00            | -0.24                    | 0.70         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 1.782 | 0.000 | 5                 | 1              | 1       | 1  |            |              |
| PL.28015     | PL.28014    | A   | 1/0ACSR            | 7.50Y     | 124.9        | 0.01            | 1.07                     | 8.32         | 3        | 61         | 12   | 98      | 0.01       | 0.0       | 1.844 | 0.062 | 0                 | 0              | 0       | 8  |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.01            | -0.24                    | 5.50         | 2        | 41         | 7    | 98      |            |           |       |       | 0                 | 0              | 0       | 2  |            |              |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.02            | 0.73                     | 11.86        | 4        | 88         | 17   | 98      |            |           |       |       | 0                 | 0              | 0       | 24 |            |              |
| PL.5518      | PL.28015    | A   | 1/0ACSR            | 7.50Y     | 124.9        | 0.01            | 1.08                     | 8.32         | 3        | 61         | 12   | 98      | 0.01       | 0.0       | 1.917 | 0.073 | 0                 | 0              | 0       | 8  |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.01            | -0.23                    | 5.50         | 2        | 41         | 7    | 98      |            |           |       |       | 0                 | 0              | 0       | 2  |            |              |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.02            | 0.74                     | 11.13        | 3        | 82         | 16   | 98      |            |           |       |       | 0                 | 0              | 0       | 22 |            |              |
| PL.828       | PL.5518     | A   | 4ACSR              | 7.50Y     | 124.9        | 0.00            | 1.08                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.067 | 0.150 | 0                 | 0              | 0       | 0  |            |              |
| 120623       | PL.5518     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.74                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 1.917 | 0.000 | 0                 | 0              | 1       | 1  |            |              |
| 120603       | PL.5518     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.74                     | 0.20         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 1.917 | 0.000 | 1                 | 0              | 1       | 1  |            |              |
| PL.9166      | PL.5518     | A   | 1/0ACSR            | 7.49Y     | 124.9        | 0.02            | 1.10                     | 8.32         | 3        | 61         | 12   | 98      | 0.04       | 0.0       | 2.146 | 0.230 | 0                 | 0              | 0       | 8  |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.02            | -0.21                    | 5.50         | 2        | 41         | 7    | 98      |            |           |       |       | 0                 | 0              | 0       | 2  |            |              |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.05            | 0.80                     | 10.93        | 3        | 81         | 16   | 98      |            |           |       |       | 0                 | 0              | 0       | 20 |            |              |
| PL.26897     | PL.9166     | B   | 4ACSR              | 7.57Y     | 126.2        | 0.00            | -0.21                    | 1.02         | 1        | 8          | 1    | 99      | 0.00       | 0.0       | 2.157 | 0.011 | 0                 | 0              | 0       | 1  |            |              |
| PD.2635      | PL.26897    | B   | fuse6AMP           | 7.57Y     | 126.2        | 0.00            | -0.21                    | 1.02         | 17       | 8          | 1    | 99      | 0.00       | 0.0       | 2.157 | 0.000 | 0                 | 0              | 0       | 1  |            |              |
| PL.26898     | PD.2635     | B   | 4ACSR              | 7.57Y     | 126.2        | 0.00            | -0.20                    | 1.02         | 1        | 8          | 1    | 99      | 0.00       | 0.0       | 2.268 | 0.110 | 0                 | 0              | 0       | 1  |            |              |
| 120631       | PL.26898    | B   | Consumer           | 7.57Y     | 126.2        | 0.00            | -0.20                    | 1.02         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 2.268 | 0.000 | 8                 | 1              | 1       | 1  |            |              |
| PL.9167      | PL.9166     | A   | 1/0ACSR            | 7.49Y     | 124.9        | 0.00            | 1.10                     | 8.32         | 3        | 61         | 12   | 98      | 0.00       | 0.0       | 2.148 | 0.002 | 0                 | 0              | 0       | 8  |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.21                    | 4.48         | 1        | 33         | 6    | 98      |            |           |       |       | 0                 | 0              | 0       | 1  |            |              |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.00            | 0.80                     | 9.76         | 3        | 72         | 14   | 98      |            |           |       |       | 0                 | 0              | 0       | 18 |            |              |
| PL.26893     | PL.9167     | A   | 1/0ACSR            | 7.49Y     | 124.9        | 0.01            | 1.11                     | 8.32         | 3        | 61         | 12   | 98      | 0.01       | 0.0       | 2.222 | 0.074 | 0                 | 0              | 0       | 8  |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.21                    | 4.48         | 1        | 33         | 6    | 98      |            |           |       |       | 0                 | 0              | 0       | 1  |            |              |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.01            | 0.81                     | 8.96         | 3        | 66         | 13   | 98      |            |           |       |       | 0                 | 0              | 0       | 16 |            |              |
| PD.79-A      | PL.26893    | A   | Closed             | 7.49Y     | 124.9        | 0.00            | 1.11                     | 8.32         | 0        | 61         | 12   | 98      | 0.00       | 0.0       | 2.222 | 0.000 | 0                 | 0              | 0       | 8  |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.21                    | 4.48         | 0        | 33         | 6    | 98      |            |           |       |       | 0                 | 0              | 0       | 1  |            |              |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.00            | 0.81                     | 8.96         | 0        | 66         | 13   | 98      |            |           |       |       | 0                 | 0              | 0       | 16 |            |              |
| PD.79-B      | PD.79-A     | A   | Closed             | 7.49Y     | 124.9        | 0.00            | 1.11                     | 8.32         | 0        | 61         | 12   | 98      | 0.00       | 0.0       | 2.222 | 0.000 | 0                 | 0              | 0       | 8  |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.21                    | 4.48         | 0        | 33         | 6    | 98      |            |           |       |       | 0                 | 0              | 0       | 1  |            |              |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.00            | 0.81                     | 8.96         | 0        | 66         | 13   | 98      |            |           |       |       | 0                 | 0              | 0       | 16 |            |              |
| PL.26894     | PD.79-B     | A   | 1/0ACSR            | 7.49Y     | 124.9        | 0.01            | 1.13                     | 8.32         | 3        | 61         | 12   | 98      | 0.02       | 0.0       | 2.349 | 0.127 | 0                 | 0              | 0       | 8  |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.01            | -0.20                    | 4.48         | 1        | 33         | 6    | 98      |            |           |       |       | 0                 | 0              | 0       | 1  |            |              |
|              |             | C   |                    | 7.51Y     | 125.2        | 0.02            | 0.83                     | 8.96         | 3        | 66         | 13   | 98      |            |           |       |       | 0                 | 0              | 0       | 16 |            |              |
| PL.9168      | PL.26894    | A   | 1/0ACSR            | 7.49Y     | 124.9        | 0.01            | 1.14                     | 8.32         | 3        | 61         | 12   | 98      | 0.02       | 0.0       | 2.459 | 0.109 | 0                 | 0              | 0       | 8  |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.20                    | 3.11         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0  |            |              |
|              |             | C   |                    | 7.51Y     | 125.1        | 0.02            | 0.86                     | 8.96         | 3        | 66         | 13   | 98      |            |           |       |       | 0                 | 0              | 0       | 16 |            |              |
| PL.26885     | PL.9168     | A   | 1/0ACSR            | 7.49Y     | 124.8        | 0.02            | 1.16                     | 8.32         | 3        | 61         | 12   | 98      | 0.02       | 0.0       | 2.604 | 0.145 | 0                 | 0              | 0       | 8  |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 3.11         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0  |            |              |
|              |             | C   |                    | 7.51Y     | 125.1        | 0.03            | 0.88                     | 8.51         | 3        | 63         | 12   | 98      |            |           |       |       | 0                 | 0              | 0       | 15 |            |              |
| PL.26886     | PL.26885    | A   | 1/0ACSR            | 7.49Y     | 124.8        | 0.00            | 1.16                     | 8.32         | 3        | 61         | 12   | 98      | 0.00       | 0.0       | 2.612 | 0.008 | 0                 | 0              | 0       | 8  |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 3.11         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0  |            |              |
|              |             | C   |                    | 7.51Y     | 125.1        | 0.00            | 0.89                     | 8.51         | 3        | 63         | 12   | 98      |            |           |       |       | 0                 | 0              | 0       | 15 |            |              |
| PL.35        | PL.26886    | A   | 1/0ACSR            | 7.49Y     | 124.8        | 0.01            | 1.17                     | 8.32         | 3        | 61         | 12   | 98      | 0.01       | 0.0       | 2.689 | 0.077 | 0                 | 0              | 0       | 8  |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 3.11         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0  |            |              |
|              |             | C   |                    | 7.51Y     | 125.1        | 0.01            | 0.89                     | 3.14         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0  |            |              |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | Length<br>(mi) | Element |   | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|----------------|---------|---|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | KW    | KVAR  |                   |                |         |   |            |              |
| PL.50        | PL.35       | A   | 1/0ACSR            | 7.48Y     | 124.7        | 0.13            | 1.30                     | 8.32         | 3        | 61         | 12   | 98      | 0.06       | 0.1       | 3.458 | 0.769 | 0                 | 0              | 0       | 8 |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 3.11         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
|              |             | C   |                    | 7.50Y     | 125.1        | 0.06            | 0.95                     | 3.14         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
| PL.26888     | PL.50       | A   | 1/0ACSR            | 7.48Y     | 124.7        | 0.03            | 1.33                     | 8.32         | 3        | 61         | 11   | 98      | 0.01       | 0.0       | 3.619 | 0.161 | 0                 | 0              | 0       | 7 |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 3.11         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.01            | 0.96                     | 3.14         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
| PD.93-A      | PL.26888    | A   | Closed             | 7.48Y     | 124.7        | 0.00            | 1.33                     | 8.32         | 0        | 61         | 11   | 98      | 0.00       | 0.0       | 3.619 | 0.000 | 0                 | 0              | 0       | 7 |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 3.11         | 0        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 0.96                     | 3.14         | 0        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
| PD.93-B      | PD.93-A     | A   | Closed             | 7.48Y     | 124.7        | 0.00            | 1.33                     | 8.32         | 0        | 61         | 11   | 98      | 0.00       | 0.0       | 3.619 | 0.000 | 0                 | 0              | 0       | 7 |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 3.11         | 0        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 0.96                     | 3.14         | 0        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
| PL.20936     | PD.93-B     | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.15            | 1.48                     | 8.32         | 3        | 61         | 11   | 98      | 0.07       | 0.1       | 4.529 | 0.910 | 0                 | 0              | 0       | 7 |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 3.11         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.07            | 1.03                     | 3.14         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
| PL.20935     | PL.20936    | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.03            | 1.51                     | 8.32         | 3        | 61         | 11   | 98      | 0.02       | 0.0       | 4.719 | 0.190 | 0                 | 0              | 0       | 7 |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 3.11         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.01            | 1.04                     | 3.14         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
| PD.7656-A    | PL.20935    | A   | Closed             | 7.47Y     | 124.5        | 0.00            | 1.51                     | 8.32         | 0        | 61         | 11   | 98      | 0.00       | 0.0       | 4.719 | 0.000 | 0                 | 0              | 0       | 7 |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 3.11         | 0        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 1.04                     | 3.14         | 0        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
| PD.7656-B    | PD.7656-A   | A   | Closed             | 7.47Y     | 124.5        | 0.00            | 1.51                     | 8.32         | 0        | 61         | 11   | 98      | 0.00       | 0.0       | 4.719 | 0.000 | 0                 | 0              | 0       | 7 |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 3.11         | 0        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 1.04                     | 3.14         | 0        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
| PL.16935     | PD.7656-B   | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.00            | 1.51                     | 8.32         | 3        | 61         | 11   | 98      | 0.00       | 0.0       | 4.730 | 0.011 | 0                 | 0              | 0       | 7 |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 3.11         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 1.04                     | 3.14         | 1        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
| PL.21659     | PL.16935    | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 5.085 | 0.355 | 0                 | 0              | 0       | 0 |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
| PD.2638-B    | PL.21659    | A   | Open               | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 5.085 | 0.000 | 0                 | 0              | 0       | 0 |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
| PL.9857      | PL.16935    | A   | 6ACWC              | 7.46Y     | 124.4        | 0.11            | 1.62                     | 8.32         | 4        | 61         | 11   | 98      | 0.06       | 0.1       | 5.045 | 0.315 | 0                 | 0              | 0       | 7 |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.02            | -0.17                    | 3.11         | 2        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
|              |             | C   |                    | 7.49Y     | 124.9        | 0.05            | 1.09                     | 3.14         | 2        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
| PL.9858      | PL.9857     | A   | 6ACWC              | 7.46Y     | 124.4        | 0.02            | 1.64                     | 5.94         | 3        | 44         | 8    | 98      | 0.01       | 0.0       | 5.128 | 0.083 | 0                 | 0              | 0       | 5 |            |              |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.01            | -0.16                    | 3.11         | 2        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
|              |             | C   |                    | 7.49Y     | 124.9        | 0.01            | 1.10                     | 3.14         | 2        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
| PL.9859      | PL.9858     | A   | 6ACWC              | 7.46Y     | 124.3        | 0.02            | 1.66                     | 3.16         | 2        | 23         | 4    | 99      | 0.01       | 0.0       | 5.313 | 0.185 | 0                 | 0              | 0       | 0 |            |              |
|              |             | B   |                    | 7.57Y     | 126.1        | 0.02            | -0.14                    | 3.11         | 2        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
|              |             | C   |                    | 7.49Y     | 124.9        | 0.02            | 1.12                     | 3.14         | 2        | 23         | 4    | 99      |            |           |       |       | 0                 | 0              | 0       | 0 |            |              |
| 121407       | PL.9859     | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.66                     | 3.16         | 0        | 23         | 4    | 99      | 0.00       | 0.0       | 5.313 | 0.000 | 23                | 4              | 0       | 0 |            |              |
|              |             | B   |                    | 7.57Y     | 126.1        | 0.00            | -0.14                    | 3.11         | 0        | 23         | 4    | 99      |            |           |       |       | 23                | 4              | 0       | 0 |            |              |
|              |             | C   |                    | 7.49Y     | 124.9        | 0.00            | 1.12                     | 3.14         | 0        | 23         | 4    | 99      |            |           |       |       | 23                | 4              | 0       | 0 |            |              |
| PL.42233     | PL.9858     | A   | 1/0ACSR            | 7.46Y     | 124.4        | 0.00            | 1.64                     | 2.78         | 1        | 20         | 4    | 98      | 0.00       | 0.0       | 5.134 | 0.006 | 0                 | 0              | 0       | 5 |            |              |
| PD.7658-A    | PL.42233    | A   | Closed             | 7.46Y     | 124.4        | 0.00            | 1.64                     | 2.78         | 0        | 20         | 4    | 98      | 0.00       | 0.0       | 5.134 | 0.000 | 0                 | 0              | 0       | 5 |            |              |
| PD.7658-B    | PD.7658-A   | A   | Closed             | 7.46Y     | 124.4        | 0.00            | 1.64                     | 2.78         | 0        | 20         | 4    | 98      | 0.00       | 0.0       | 5.134 | 0.000 | 0                 | 0              | 0       | 5 |            |              |
| PL.42234     | PD.7658-B   | A   | 1/0ACSR            | 7.46Y     | 124.3        | 0.02            | 1.66                     | 2.78         | 1        | 20         | 4    | 98      | 0.00       | 0.0       | 5.390 | 0.256 | 0                 | 0              | 0       | 5 |            |              |
| 121401       | PL.42234    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.66                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 5.390 | 0.000 | 0                 | 0              | 1       | 1 |            |              |
| PL.16096     | PL.42234    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.66                     | 2.76         | 1        | 20         | 4    | 98      | 0.00       | 0.0       | 5.404 | 0.014 | 0                 | 0              | 0       | 4 |            |              |
| PD.7660      | PL.16096    | A   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.66                     | 2.76         | 47       | 20         | 4    | 98      | 0.00       | 0.0       | 5.404 | 0.000 | 0                 | 0              | 0       | 4 |            |              |
| PL.16934     | PD.7660     | A   | 4ACSR              | 7.46Y     | 124.3        | 0.04            | 1.70                     | 2.76         | 1        | 20         | 4    | 98      | 0.01       | 0.0       | 5.755 | 0.351 | 0                 | 0              | 0       | 4 |            |              |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | Length<br>(mi) | Element |      | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|----------------|---------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                | KW      | KVAR |            |              |   |
| 121402       | PL.16934    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 0.07         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 5.755          | 0.000   | 1    | 0          | 1            | 1 |
| PL.23443     | PL.16934    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.71                     | 1.36         | 1        | 10         | 2         | 98         | 0.00      | 0.0               | 5.849          | 0.094   | 0    | 0          | 0            | 1 |
| 121403       | PL.23443    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71                     | 1.36         | 0        | 10         | 2         | 98         | 0.00      | 0.0               | 5.849          | 0.000   | 10   | 2          | 1            | 1 |
| PL.23444     | PL.16934    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.71                     | 1.32         | 1        | 10         | 2         | 98         | 0.00      | 0.0               | 5.873          | 0.119   | 0    | 0          | 0            | 2 |
| PL.23446     | PL.23444    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.72                     | 1.23         | 1        | 9          | 2         | 98         | 0.00      | 0.0               | 5.985          | 0.112   | 0    | 0          | 0            | 1 |
| 121408       | PL.23446    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.72                     | 1.23         | 0        | 9          | 2         | 98         | 0.00      | 0.0               | 5.985          | 0.000   | 9    | 2          | 1            | 1 |
| PL.23445     | PL.23444    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.71                     | 0.10         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 5.930          | 0.057   | 0    | 0          | 0            | 1 |
| PL.23702     | PL.23445    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.71                     | 0.10         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 6.080          | 0.150   | 0    | 0          | 0            | 1 |
| 121405       | PL.23702    | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71                     | 0.10         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 6.080          | 0.000   | 1    | 0          | 1            | 1 |
| PL.23447     | PL.9857     | A   | 4ACSR              | 7.46Y     | 124.3        | 0.03            | 1.65                     | 2.39         | 1        | 17         | 3         | 98         | 0.00      | 0.0               | 5.321          | 0.276   | 0    | 0          | 0            | 2 |
| PL.23448     | PL.23447    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.66                     | 2.39         | 1        | 17         | 3         | 98         | 0.00      | 0.0               | 5.367          | 0.046   | 0    | 0          | 0            | 2 |
| PL.341       | PL.23448    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.67                     | 2.39         | 1        | 17         | 3         | 98         | 0.00      | 0.0               | 5.498          | 0.132   | 0    | 0          | 0            | 2 |
| PL.342       | PL.341      | A   | 4ACSR              | 7.46Y     | 124.3        | 0.03            | 1.70                     | 2.39         | 1        | 17         | 3         | 98         | 0.00      | 0.0               | 5.783          | 0.284   | 0    | 0          | 0            | 2 |
| 120302       | PL.342      | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.70                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.783          | 0.000   | 0    | 0          | 1            | 1 |
| PL.893       | PL.342      | A   | 4ACSR              | 7.46Y     | 124.3        | 0.02            | 1.72                     | 2.39         | 1        | 17         | 3         | 98         | 0.00      | 0.0               | 5.944          | 0.161   | 0    | 0          | 0            | 1 |
| 120303       | PL.893      | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.72                     | 2.39         | 0        | 17         | 3         | 98         | 0.00      | 0.0               | 5.944          | 0.000   | 17   | 3          | 1            | 1 |
| PL.42231     | PL.23447    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.65                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.327          | 0.006   | 0    | 0          | 0            | 0 |
| PD.7657      | PL.42231    | A   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.65                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.327          | 0.000   | 0    | 0          | 0            | 0 |
| PL.42232     | PD.7657     | A   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.65                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.422          | 0.095   | 0    | 0          | 0            | 0 |
| PL.26889     | PL.50       | A   | 1/0ACSR            | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.477          | 0.019   | 0    | 0          | 0            | 1 |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0              | 0       | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.50Y     | 125.1        | 0.00            | 0.95                     | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0              | 0       | 0    | 0          | 0            |   |
| PD.642       | PL.26889    | A   | fuse6AMP           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.477          | 0.000   | 0    | 0          | 0            | 1 |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0              | 0       | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.50Y     | 125.1        | 0.00            | 0.95                     | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0              | 0       | 0    | 0          | 0            |   |
| PL.26890     | PD.642      | A   | 1/0ACSR            | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.916          | 0.440   | 0    | 0          | 0            | 1 |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0              | 0       | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.50Y     | 125.1        | 0.00            | 0.95                     | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0              | 0       | 0    | 0          | 0            |   |
| PL.9860      | PL.26890    | A   | 1/0ACSR            | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.947          | 0.031   | 0    | 0          | 0            | 1 |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0              | 0       | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.50Y     | 125.1        | 0.00            | 0.95                     | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0              | 0       | 0    | 0          | 0            |   |
| PL.9861      | PL.9860     | A   | 1/0ACSR            | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.030          | 0.083   | 0    | 0          | 0            | 1 |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0              | 0       | 0    | 0          | 0            |   |
|              |             | C   |                    | 7.50Y     | 125.1        | 0.00            | 0.95                     | 0.00         | 0        | 0          | 0         | 100        |           |                   | 0              | 0       | 0    | 0          | 0            |   |
| PL.26891     | PL.9861     | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.057          | 0.027   | 0    | 0          | 0            | 1 |
| PD.3195      | PL.26891    | A   | fuse6AMP           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.057          | 0.000   | 0    | 0          | 0            | 1 |
| PL.26892     | PD.3195     | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.129          | 0.071   | 0    | 0          | 0            | 1 |
| PL.5611      | PL.26892    | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.237          | 0.108   | 0    | 0          | 0            | 1 |
| PL.5612      | PL.5611     | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.339          | 0.102   | 0    | 0          | 0            | 0 |
| PL.9862      | PL.5612     | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.098          | 0.759   | 0    | 0          | 0            | 0 |
| PL.9863      | PL.9862     | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.185          | 0.087   | 0    | 0          | 0            | 0 |
| PL.9164      | PL.9863     | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.636          | 0.450   | 0    | 0          | 0            | 0 |
| PL.23560     | PL.9863     | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.275          | 0.090   | 0    | 0          | 0            | 0 |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 068404       | PL.23560    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.275                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.23559     | PL.9862     | A   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.214                               | 0.116 | 0    | 0          | 0            | 0  |
| 120514       | PL.5611     | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.237                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.4559      | PL.9860     | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.95                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.457                               | 0.510 | 0    | 0          | 0            | 0  |
| PL.539       | PL.4559     | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.95                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.562                               | 0.105 | 0    | 0          | 0            | 0  |
| PL.540       | PL.26890    | A   | 1/0ACSR            | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.917                               | 0.000 | 0    | 0          | 0            | 0  |
|              |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.19                    | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0                                   | 0     | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.50Y     | 125.1        | 0.00            | 0.95                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0                                   | 0     | 0    | 0          | 0            | 0  |
| PL.17873     | PL.26886    | C   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.89                     | 5.37         | 3        | 39         | 8         | 98         | 0.00      | 0.0               | 2.624                               | 0.013 | 0    | 0          | 0            | 15 |
| PD.80-A      | PL.17873    | C   | Closed             | 7.51Y     | 125.1        | 0.00            | 0.89                     | 5.37         | 0        | 39         | 8         | 98         | 0.00      | 0.0               | 2.624                               | 0.000 | 0    | 0          | 0            | 15 |
| PD.80-B      | PD.80-A     | C   | Closed             | 7.51Y     | 125.1        | 0.00            | 0.89                     | 5.37         | 0        | 39         | 8         | 98         | 0.00      | 0.0               | 2.624                               | 0.000 | 0    | 0          | 0            | 15 |
| PL.17874     | PD.80-B     | C   | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.89                     | 5.37         | 3        | 39         | 8         | 98         | 0.00      | 0.0               | 2.646                               | 0.022 | 0    | 0          | 0            | 15 |
| PD.3307      | PL.17874    | C   | 35H                | 7.51Y     | 125.1        | 0.00            | 0.89                     | 5.37         | 15       | 39         | 8         | 98         | 0.00      | 0.0               | 2.646                               | 0.000 | 0    | 0          | 0            | 15 |
| PL.26887     | PD.3307     | C   | 4ACSR              | 7.50Y     | 125.1        | 0.03            | 0.92                     | 5.37         | 3        | 39         | 8         | 98         | 0.01      | 0.0               | 2.767                               | 0.120 | 0    | 0          | 0            | 15 |
| 121623       | PL.26887    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92                     | 0.81         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 2.767                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.41340     | PL.26887    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.05            | 0.97                     | 4.56         | 2        | 33         | 7         | 98         | 0.01      | 0.0               | 2.995                               | 0.229 | 0    | 0          | 0            | 14 |
| PL.42236     | PL.41340    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.97                     | 1.13         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 3.004                               | 0.008 | 0    | 0          | 0            | 1  |
| PD.7661      | PL.42236    | C   | fuse6AMP           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 1.13         | 19       | 8          | 2         | 97         | 0.00      | 0.0               | 3.004                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.42235     | PD.7661     | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.97                     | 1.13         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 3.062                               | 0.058 | 0    | 0          | 0            | 1  |
| 121602       | PL.42235    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 1.13         | 0        | 8          | 2         | 97         | 0.00      | 0.0               | 3.062                               | 0.000 | 8    | 2          | 1            | 1  |
| PL.41341     | PL.41340    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.02            | 0.99                     | 3.42         | 2        | 25         | 5         | 98         | 0.00      | 0.0               | 3.155                               | 0.160 | 0    | 0          | 0            | 13 |
| 121603       | PL.41341    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.99                     | 0.24         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 3.155                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.9165      | PL.41341    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 1.00                     | 3.18         | 2        | 23         | 5         | 98         | 0.00      | 0.0               | 3.214                               | 0.059 | 0    | 0          | 0            | 12 |
| 121644       | PL.9165     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.00                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.214                               | 0.000 | 0    | 0          | 1            | 1  |
| 121639       | PL.9165     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.00                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.214                               | 0.000 | 0    | 0          | 0            | 0  |
| 1216048      | PL.9165     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.00                     | 0.91         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 3.214                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.19891     | PL.9165     | C   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 1.01                     | 2.25         | 1        | 16         | 4         | 97         | 0.00      | 0.0               | 3.325                               | 0.111 | 0    | 0          | 0            | 10 |
| PL.45179     | PL.19891    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.01                     | 1.58         | 1        | 11         | 3         | 96         | 0.00      | 0.0               | 3.361                               | 0.036 | 0    | 0          | 0            | 9  |
| PD.8604      | PL.45179    | C   | fuse6AMP           | 7.50Y     | 125.0        | 0.00            | 1.01                     | 1.58         | 27       | 11         | 3         | 96         | 0.00      | 0.0               | 3.361                               | 0.000 | 0    | 0          | 0            | 9  |
| PL.45180     | PD.8604     | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.02                     | 1.58         | 1        | 11         | 3         | 96         | 0.00      | 0.0               | 3.373                               | 0.012 | 0    | 0          | 0            | 9  |
| PL.20555     | PL.45180    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.02                     | 1.58         | 1        | 11         | 3         | 96         | 0.00      | 0.0               | 3.385                               | 0.012 | 0    | 0          | 0            | 9  |
| 121635       | PL.20555    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.02                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.385                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.5097      | PL.20555    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.02            | 1.04                     | 1.58         | 1        | 11         | 3         | 96         | 0.00      | 0.0               | 3.707                               | 0.322 | 0    | 0          | 0            | 8  |
| PL.42237     | PL.5097     | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.711                               | 0.004 | 0    | 0          | 0            | 1  |
| PD.7662      | PL.42237    | C   | fuse6AMP           | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.711                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.42238     | PD.7662     | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.826                               | 0.115 | 0    | 0          | 0            | 1  |
| 1226043      | PL.42238    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.826                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.42239     | PL.5097     | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.04                     | 1.03         | 1        | 8          | 1         | 99         | 0.00      | 0.0               | 3.718                               | 0.011 | 0    | 0          | 0            | 4  |
| PD.7663      | PL.42239    | C   | fuse6AMP           | 7.50Y     | 125.0        | 0.00            | 1.04                     | 1.03         | 18       | 8          | 1         | 99         | 0.00      | 0.0               | 3.718                               | 0.000 | 0    | 0          | 0            | 4  |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.42240     | PD.7663     | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.04                     | 1.03         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.801                               | 0.084 | 0    | 0          | 0            | 4 |
| 122619       | PL.42240    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.801                               | 0.000 | 0    | 0          | 0            | 0 |
| 122630       | PL.42240    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.32         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.801                               | 0.000 | 2    | 0          | 1            | 1 |
| 122620       | PL.42240    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.801                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.5533      | PL.42240    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.05                     | 0.71         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.921                               | 0.120 | 0    | 0          | 0            | 3 |
| 122635       | PL.5533     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.05                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.921                               | 0.000 | 0    | 0          | 1            | 1 |
| 122633       | PL.5533     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.05                     | 0.19         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.921                               | 0.000 | 1    | 0          | 1            | 1 |
| 122621       | PL.5533     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.05                     | 0.48         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.921                               | 0.000 | 4    | 1          | 1            | 1 |
| 122610       | PL.5097     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.27         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.707                               | 0.000 | 2    | 0          | 1            | 1 |
| 122631       | PL.5097     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.707                               | 0.000 | 0    | 0          | 1            | 1 |
| 122609       | PL.5097     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.27         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 3.707                               | 0.000 | 2    | 1          | 1            | 1 |
| 121642       | PL.19891    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.01                     | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.325                               | 0.000 | 5    | 1          | 1            | 1 |
| 121632       | PL.19891    | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.01                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.325                               | 0.000 | 0    | 0          | 0            | 0 |
| 121601       | PL.9168     | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.86                     | 0.45         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 2.459                               | 0.000 | 3    | 1          | 1            | 1 |
| 120629       | PL.26894    | B   | Consumer           | 7.57Y     | 126.2        | 0.00            | -0.20                    | 1.37         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 2.349                               | 0.000 | 10   | 2          | 1            | 1 |
| PL.26895     | PL.9167     | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.160                               | 0.012 | 0    | 0          | 0            | 2 |
| PD.601       | PL.26895    | C   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.80         | 14       | 6          | 1       | 99         | 0.00      | 0.0               | 2.160                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.26896     | PD.601      | C   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.223                               | 0.063 | 0    | 0          | 0            | 2 |
| 120632       | PL.26896    | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.76         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.223                               | 0.000 | 6    | 1          | 1            | 1 |
| 120635       | PL.26896    | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.223                               | 0.000 | 0    | 0          | 1            | 1 |
| 120620       | PL.9166     | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.146                               | 0.000 | 0    | 0          | 1            | 1 |
| 120614       | PL.9166     | C   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 1.16         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 2.146                               | 0.000 | 9    | 2          | 1            | 1 |
| 1206037      | PL.28015    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.844                               | 0.000 | 0    | 0          | 1            | 1 |
| 120604       | PL.28015    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.73                     | 0.70         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.844                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.26899     | PL.702      | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.99         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 1.741                               | 0.009 | 0    | 0          | 0            | 1 |
| PL.28704     | PL.26899    | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.99         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 1.741                               | 0.000 | 0    | 0          | 0            | 1 |
| PD.599       | PL.28704    | C   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.99         | 17       | 7          | 1       | 99         | 0.00      | 0.0               | 1.741                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.28705     | PD.599      | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.99         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 1.778                               | 0.037 | 0    | 0          | 0            | 1 |
| PL.29160     | PL.28705    | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.99         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 1.807                               | 0.029 | 0    | 0          | 0            | 1 |
| 120636       | PL.29160    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.99         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.807                               | 0.000 | 7    | 1          | 1            | 1 |
| 120608       | PL.9182     | B   | Consumer           | 7.57Y     | 126.2        | 0.00            | -0.24                    | 0.62         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.472                               | 0.000 | 5    | 1          | 1            | 1 |
| 120622       | PL.9182     | C   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.62                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.472                               | 0.000 | 0    | 0          | 1            | 1 |
| 120619       | PL.9183     | B   | Consumer           | 7.57Y     | 126.2        | 0.00            | -0.23                    | 0.79         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.369                               | 0.000 | 6    | 1          | 1            | 1 |
| 069605       | PL.10993    | B   | Consumer           | 7.57Y     | 126.2        | 0.00            | -0.22                    | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.307                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.27373     | PL.10994    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.81                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.251                               | 0.009 | 0    | 0          | 0            | 1 |
| PD.3139      | PL.27373    | A   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.81                     | 0.21         | 4        | 2          | 0       | 100        | 0.00      | 0.0               | 1.251                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.27374     | PD.3139     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.81                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.302                               | 0.051 | 0    | 0          | 0            | 1 |
| 069614       | PL.27374    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.81                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.302                               | 0.000 | 2    | 0          | 1            | 1 |



Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| 069603       | PL.10994    | B   | Consumer           | 7.57Y     | 126.2        | 0.00            | -0.22                    | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.243             | 0.000          | 0          | 0            | 0  | 0    |
| 069621       | PL.10994    | B   | Consumer           | 7.57Y     | 126.2        | 0.00            | -0.22                    | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.243             | 0.000          | 1          | 0            | 1  | 1    |
| 069628       | PL.10992    | B   | Consumer           | 7.57Y     | 126.2        | 0.00            | -0.20                    | 0.35         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.125             | 0.000          | 3          | 1            | 1  | 1    |
| 069615       | PL.10990    | B   | Consumer           | 7.57Y     | 126.2        | 0.00            | -0.20                    | 0.71         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.093             | 0.000          | 5          | 1            | 1  | 1    |
| 069632       | PL.10990    | B   | Consumer           | 7.57Y     | 126.2        | 0.00            | -0.20                    | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.093             | 0.000          | 1          | 0            | 1  | 1    |
| 069629       | PL.10989    | A   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.61                     | 1.40         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 0.987             | 0.000          | 10         | 2            | 1  | 1    |
| PL.16996     | PL.10544    | A   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.51                     | 1.01         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 0.881             | 0.008          | 0          | 0            | 0  | 1    |
| PD.3138      | PL.16996    | A   | fuse6AMP           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 1.01         | 17       | 7          | 1    | 99      | 0.00       | 0.0               | 0.881             | 0.000          | 0          | 0            | 0  | 1    |
| PL.16997     | PD.3138     | A   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.51                     | 1.01         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 0.906             | 0.024          | 0          | 0            | 0  | 1    |
| 069738       | PL.16997    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 1.01         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 0.906             | 0.000          | 7          | 1            | 1  | 1    |
| 069703       | PL.16989    | A   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.44                     | 0.74         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 0.794             | 0.000          | 5          | 1            | 1  | 1    |
| P CP.32      | PL.16990    | A   | Cap (150)          | 7.54Y     | 125.6        | 0.00            | 0.42                     | -7.27        | 0        | 0          | -55  | 0       | 0.00       | 0.0               | 0.765             | 0.000          | 0          | 0            | 0  | 0 P  |
| P            |             | B   |                    | 7.57Y     | 126.2        | 0.00            | -0.15                    | -7.30        | 0        | 0          | -55  | 0       |            |                   |                   |                | 0          | 0            | 0  | 0 P  |
| P            |             | C   |                    | 7.54Y     | 125.7        | 0.00            | 0.30                     | -7.27        | 0        | 0          | -55  | 0       |            |                   |                   |                | 0          | 0            | 0  | 0 P  |
| PL.16987     | PL.10543    | C   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.26                     | 0.63         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 0.689             | 0.014          | 0          | 0            | 0  | 2    |
| PD.3133      | PL.16987    | C   | fuse6AMP           | 7.54Y     | 125.7        | 0.00            | 0.26                     | 0.63         | 11       | 5          | 1    | 98      | 0.00       | 0.0               | 0.689             | 0.000          | 0          | 0            | 0  | 2    |
| PL.16988     | PD.3133     | C   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.26                     | 0.63         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 0.741             | 0.052          | 0          | 0            | 0  | 2    |
| 069715       | PL.16988    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.26                     | 0.62         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 0.741             | 0.000          | 5          | 1            | 1  | 1    |
| 069740       | PL.16988    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.26                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.741             | 0.000          | 0          | 0            | 1  | 1    |
| PL.16985     | PL.10543    | A   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.35                     | 3.85         | 2        | 29         | 6    | 98      | 0.00       | 0.0               | 0.684             | 0.009          | 0          | 0            | 0  | 2    |
| PD.3156      | PL.16985    | A   | fuse6AMP           | 7.54Y     | 125.7        | 0.00            | 0.35                     | 3.85         | 66       | 29         | 6    | 98      | 0.00       | 0.0               | 0.684             | 0.000          | 0          | 0            | 0  | 2    |
| PL.16986     | PD.3156     | A   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.36                     | 3.85         | 2        | 29         | 6    | 98      | 0.00       | 0.0               | 0.740             | 0.056          | 0          | 0            | 0  | 2    |
| PL.4415      | PL.16986    | A   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.36                     | 2.88         | 1        | 21         | 4    | 98      | 0.00       | 0.0               | 0.806             | 0.067          | 0          | 0            | 0  | 1    |
| 069748       | PL.4415     | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 2.88         | 0        | 21         | 4    | 98      | 0.00       | 0.0               | 0.806             | 0.000          | 21         | 4            | 1  | 1    |
| PL.3900      | PL.16986    | A   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.98         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 0.805             | 0.066          | 0          | 0            | 0  | 1    |
| 069760       | PL.3900     | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36                     | 0.98         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 0.805             | 0.000          | 7          | 1            | 1  | 1    |
| PL.16983     | PL.10542    | A   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.26                     | 1.27         | 1        | 9          | 4    | 91      | 0.00       | 0.0               | 0.582             | 0.011          | 0          | 0            | 0  | 2    |
| PD.3132      | PL.16983    | A   | fuse6AMP           | 7.54Y     | 125.7        | 0.00            | 0.26                     | 1.27         | 22       | 9          | 4    | 91      | 0.00       | 0.0               | 0.582             | 0.000          | 0          | 0            | 0  | 2    |
| PL.16984     | PD.3132     | A   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.26                     | 1.27         | 1        | 9          | 4    | 91      | 0.00       | 0.0               | 0.639             | 0.057          | 0          | 0            | 0  | 2    |
| 069724       | PL.16984    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.26                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.639             | 0.000          | 0          | 0            | 0  | 0    |
| 069756       | PL.16984    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.26                     | 1.26         | 0        | 9          | 4    | 91      | 0.00       | 0.0               | 0.639             | 0.000          | 9          | 4            | 1  | 1    |
| 069755       | PL.16984    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.26                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.639             | 0.000          | 0          | 0            | 1  | 1    |
| PL.16981     | PL.10542    | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.20                     | 3.12         | 2        | 23         | 5    | 98      | 0.00       | 0.0               | 0.579             | 0.008          | 0          | 0            | 0  | 4    |
| PD.3155      | PL.16981    | C   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.20                     | 3.12         | 53       | 23         | 5    | 98      | 0.00       | 0.0               | 0.579             | 0.000          | 0          | 0            | 0  | 4    |
| PL.16982     | PD.3155     | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.21                     | 3.12         | 2        | 23         | 5    | 98      | 0.00       | 0.0               | 0.606             | 0.027          | 0          | 0            | 0  | 4    |
| PL.24768     | PL.16982    | C   | 4ACSR              | 7.55Y     | 125.8        | 0.01            | 0.22                     | 3.12         | 2        | 23         | 5    | 98      | 0.00       | 0.0               | 0.681             | 0.075          | 0          | 0            | 0  | 4    |
| 068758       | PL.24768    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.22                     | 1.06         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 0.681             | 0.000          | 8          | 2            | 1  | 1    |
| PL.24769     | PL.24768    | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.22                     | 2.06         | 1        | 15         | 3    | 98      | 0.00       | 0.0               | 0.682             | 0.001          | 0          | 0            | 0  | 3    |
| PL.3936      | PL.24769    | C   | 4ACSR              | 7.55Y     | 125.8        | 0.01            | 0.23                     | 2.06         | 1        | 15         | 3    | 98      | 0.00       | 0.0               | 0.795             | 0.113          | 0          | 0            | 0  | 3    |

Unbalanced Voltage Drop Report
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 1 (TRAPP1) beginning with device PD.3927.

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | Length<br>(mi) | Element |     | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|----------------|---------|-----|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | KW    | KVAR  |                   |                |         |     |            |              |
| 068712       | PL.26864    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 0.98         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 0.331 | 0.000 | 7                 | 1              | 1       | 1   |            |              |
| PL.10895     | PL.43499    | A   | 1/0ACSR            | 7.53Y     | 125.5        | 0.13            | 0.50                     | 65.25        | 20       | 478        | 118  | 97      | 0.58       | 0.1       | 0.347 | 0.094 | 0                 | 0              | 0       | 86  |            |              |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.04            | 0.16                     | 44.02        | 13       | 325        | 70   | 98      |            |           |       |       | 0                 | 0              | 0       | 60  |            |              |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.04            | 0.16                     | 26.47        | 8        | 196        | 42   | 98      |            |           |       |       | 0                 | 0              | 0       | 38  |            |              |
| PL.10896     | PL.10895    | A   | 1/0ACSR            | 7.52Y     | 125.3        | 0.20            | 0.69                     | 65.25        | 20       | 477        | 117  | 97      | 0.85       | 0.1       | 0.485 | 0.138 | 0                 | 0              | 0       | 86  |            |              |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.06            | 0.23                     | 42.88        | 13       | 317        | 68   | 98      |            |           |       |       | 0                 | 0              | 0       | 59  |            |              |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.06            | 0.22                     | 26.47        | 8        | 195        | 42   | 98      |            |           |       |       | 0                 | 0              | 0       | 38  |            |              |
| PL.16505     | PL.10896    | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.23                     | 1.24         | 1        | 9          | 1    | 99      | 0.00       | 0.0       | 0.497 | 0.012 | 0                 | 0              | 0       | 3   |            |              |
| PD.3142      | PL.16505    | C   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 1.24         | 21       | 9          | 1    | 99      | 0.00       | 0.0       | 0.497 | 0.000 | 0                 | 0              | 0       | 3   |            |              |
| PL.16506     | PD.3142     | C   | 4ACSR              | 7.55Y     | 125.8        | 0.01            | 0.23                     | 1.24         | 1        | 9          | 1    | 99      | 0.00       | 0.0       | 0.595 | 0.097 | 0                 | 0              | 0       | 3   |            |              |
| P PL.4418    | PL.16506    | C   | 4ACSR              | 7.55Y     | 125.8        | -0.00           | 0.23                     | 0.12         | 0        | 0          | -1   | 0       | 0.00       | 0.0       | 0.723 | 0.128 | 0                 | 0              | 0       | 1 P |            |              |
| 068744       | PL.4418     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.723 | 0.000 | 0                 | 0              | 1       | 1   |            |              |
| P PL.45688   | PL.4418     | C   | 1/0EPRJCN          | 7.55Y     | 125.8        | -0.00           | 0.23                     | -0.13        | 0        | 0          | -1   | 0       | 0.00       | 0.0       | 0.921 | 0.198 | 0                 | 0              | 0       | 0 P |            |              |
| 0677017      | PL.45688    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.921 | 0.000 | 0                 | 0              | 0       | 0   |            |              |
| PL.4416      | PL.16506    | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.70         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 0.654 | 0.059 | 0                 | 0              | 0       | 1   |            |              |
| 068737       | PL.4416     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.654 | 0.000 | 0                 | 0              | 0       | 0   |            |              |
| PL.4417      | PL.4416     | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.24                     | 0.70         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 0.787 | 0.133 | 0                 | 0              | 0       | 1   |            |              |
| 068751       | PL.4417     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.24                     | 0.70         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 0.787 | 0.000 | 5                 | 1              | 1       | 1   |            |              |
| 068735       | PL.16506    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.55         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 0.595 | 0.000 | 4                 | 1              | 1       | 1   |            |              |
| PL.10897     | PL.10896    | A   | 1/0ACSR            | 7.51Y     | 125.1        | 0.16            | 0.86                     | 65.25        | 20       | 477        | 117  | 97      | 0.69       | 0.1       | 0.599 | 0.114 | 0                 | 0              | 0       | 85  |            |              |
|              |             | B   |                    | 7.54Y     | 125.7        | 0.05            | 0.28                     | 42.88        | 13       | 316        | 68   | 98      |            |           |       |       | 0                 | 0              | 0       | 59  |            |              |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.05            | 0.27                     | 25.24        | 8        | 186        | 41   | 98      |            |           |       |       | 0                 | 0              | 0       | 35  |            |              |
| PL.24763     | PL.10897    | A   | 1/0ACSR            | 7.51Y     | 125.1        | 0.05            | 0.91                     | 65.25        | 20       | 476        | 116  | 97      | 0.23       | 0.0       | 0.637 | 0.038 | 0                 | 0              | 0       | 85  |            |              |
|              |             | B   |                    | 7.54Y     | 125.7        | 0.02            | 0.29                     | 42.05        | 13       | 310        | 66   | 98      |            |           |       |       | 0                 | 0              | 0       | 58  |            |              |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.02            | 0.29                     | 25.24        | 8        | 186        | 41   | 98      |            |           |       |       | 0                 | 0              | 0       | 35  |            |              |
| 068714       | PL.24763    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.29                     | 1.05         | 0        | 8          | 2    | 97      | 0.00       | 0.0       | 0.637 | 0.000 | 8                 | 2              | 1       | 1   |            |              |
| 068724       | PL.24763    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.29                     | 0.14         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 0.637 | 0.000 | 1                 | 0              | 1       | 1   |            |              |
| PL.33885     | PL.24763    | A   | 1/0ACSR            | 7.49Y     | 124.9        | 0.19            | 1.10                     | 65.25        | 20       | 476        | 116  | 97      | 0.77       | 0.1       | 0.767 | 0.129 | 0                 | 0              | 0       | 85  |            |              |
|              |             | B   |                    | 7.54Y     | 125.7        | 0.05            | 0.35                     | 42.05        | 13       | 310        | 66   | 98      |            |           |       |       | 0                 | 0              | 0       | 58  |            |              |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.05            | 0.34                     | 24.05        | 7        | 177        | 39   | 98      |            |           |       |       | 0                 | 0              | 0       | 33  |            |              |
| 0687066      | PL.33885    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.35                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.767 | 0.000 | 0                 | 0              | 1       | 1   |            |              |
| PL.33886     | PL.33885    | A   | 1/0ACSR            | 7.49Y     | 124.9        | 0.04            | 1.14                     | 65.25        | 20       | 475        | 115  | 97      | 0.17       | 0.0       | 0.794 | 0.028 | 0                 | 0              | 0       | 85  |            |              |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.01            | 0.36                     | 42.03        | 13       | 310        | 66   | 98      |            |           |       |       | 0                 | 0              | 0       | 57  |            |              |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.01            | 0.35                     | 24.05        | 7        | 177        | 39   | 98      |            |           |       |       | 0                 | 0              | 0       | 33  |            |              |
| PL.10898     | PL.33886    | A   | 1/0ACSR            | 7.49Y     | 124.8        | 0.05            | 1.19                     | 65.25        | 20       | 475        | 115  | 97      | 0.21       | 0.0       | 0.830 | 0.035 | 0                 | 0              | 0       | 85  |            |              |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.01            | 0.38                     | 42.03        | 13       | 310        | 66   | 98      |            |           |       |       | 0                 | 0              | 0       | 57  |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.01            | 0.36                     | 22.63        | 7        | 167        | 37   | 98      |            |           |       |       | 0                 | 0              | 0       | 31  |            |              |
| PL.16503     | PL.10898    | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.19                     | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 0.835 | 0.005 | 0                 | 0              | 0       | 1   |            |              |
| PD.3125      | PL.16503    | A   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.19                     | 0.61         | 10       | 4          | 1    | 97      | 0.00       | 0.0       | 0.835 | 0.000 | 0                 | 0              | 0       | 1   |            |              |
| PL.16504     | PD.3125     | A   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.19                     | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 0.874 | 0.039 | 0                 | 0              | 0       | 1   |            |              |
| 068725       | PL.16504    | A   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.19                     | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 0.874 | 0.000 | 4                 | 1              | 1       | 1   |            |              |
| PL.10899     | PL.10898    | A   | 1/0ACSR            | 7.48Y     | 124.7        | 0.14            | 1.33                     | 64.65        | 20       | 470        | 114  | 97      | 0.57       | 0.1       | 0.927 | 0.098 | 0                 | 0              | 0       | 84  |            |              |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.04            | 0.42                     | 42.03        | 13       | 310        | 66   | 98      |            |           |       |       | 0                 | 0              | 0       | 57  |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.03            | 0.39                     | 22.63        | 7        | 167        | 37   | 98      |            |           |       |       | 0                 | 0              | 0       | 31  |            |              |
| PL.7997      | PL.10899    | A   | 1/0ACSR            | 7.48Y     | 124.6        | 0.08            | 1.41                     | 64.65        | 20       | 470        | 114  | 97      | 0.34       | 0.0       | 0.985 | 0.058 | 0                 | 0              | 0       | 84  |            |              |
|              |             | B   |                    | 7.53Y     | 125.6        | 0.02            | 0.44                     | 42.03        | 13       | 310        | 66   | 98      |            |           |       |       | 0                 | 0              | 0       | 57  |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.02            | 0.41                     | 22.63        | 7        | 167        | 37   | 98      |            |           |       |       | 0                 | 0              | 0       | 31  |            |              |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | Length<br>(mi) | Element |    | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|----------------|---------|----|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | KW    | KVAR  |                   |                |         |    |            |              |
| PL.16498     | PL.7997     | A   | 1/0ACSR            | 7.48Y     | 124.6        | 0.00            | 1.42                     | 62.26        | 19       | 453        | 105  | 97      | 0.02       | 0.0       | 0.988 | 0.003 | 0                 | 0              | 0       | 82 |            |              |
|              |             | B   |                    | 7.53Y     | 125.6        | 0.00            | 0.44                     | 42.03        | 13       | 310        | 66   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.42                     | 22.63        | 7        | 167        | 37   | 98      |            |           |       |       | 0                 | 0              | 0       | 31 |            |              |
| PL.18940     | PL.16498    | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.04            | 1.46                     | 62.26        | 19       | 453        | 105  | 97      | 0.16       | 0.0       | 1.017 | 0.029 | 0                 | 0              | 0       | 82 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.01            | 0.45                     | 42.03        | 13       | 310        | 66   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.01            | 0.43                     | 22.63        | 7        | 167        | 37   | 98      |            |           |       |       | 0                 | 0              | 0       | 31 |            |              |
| PD.3606<br>C | PL.18940    | A   | 50V4E              | 7.47Y     | 124.5        | 0.00            | 1.46                     | 62.26        | 0        | 453        | 105  | 97      | 0.00       | 0.0       | 1.017 | 0.000 | 0                 | 0              | 0       | 82 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.45                     | 42.03        | 120      | 310        | 65   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.00            | 0.43                     | 22.63        | 45       | 167        | 37   | 98      |            |           |       |       | 0                 | 0              | 0       | 31 |            |              |
| PL.18941     | PD.3606     | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.02            | 1.48                     | 62.26        | 19       | 453        | 105  | 97      | 0.09       | 0.0       | 1.034 | 0.017 | 0                 | 0              | 0       | 82 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.01            | 0.46                     | 42.03        | 13       | 310        | 65   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.01            | 0.43                     | 22.63        | 7        | 167        | 37   | 98      |            |           |       |       | 0                 | 0              | 0       | 31 |            |              |
| PL.16103     | PL.18941    | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.04            | 1.52                     | 62.26        | 19       | 453        | 105  | 97      | 0.16       | 0.0       | 1.063 | 0.029 | 0                 | 0              | 0       | 81 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.01            | 0.48                     | 42.03        | 13       | 310        | 65   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.01            | 0.44                     | 22.63        | 7        | 166        | 37   | 98      |            |           |       |       | 0                 | 0              | 0       | 31 |            |              |
| PD.2151-A    | PL.16103    | A   | Closed             | 7.47Y     | 124.5        | 0.00            | 1.52                     | 62.26        | 0        | 453        | 105  | 97      | 0.00       | 0.0       | 1.063 | 0.000 | 0                 | 0              | 0       | 81 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.48                     | 42.03        | 0        | 310        | 65   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.00            | 0.44                     | 22.63        | 0        | 166        | 37   | 98      |            |           |       |       | 0                 | 0              | 0       | 31 |            |              |
| PD.2151-B    | PD.2151-A   | A   | Closed             | 7.47Y     | 124.5        | 0.00            | 1.52                     | 62.26        | 0        | 453        | 105  | 97      | 0.00       | 0.0       | 1.063 | 0.000 | 0                 | 0              | 0       | 81 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.48                     | 42.03        | 0        | 310        | 65   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.00            | 0.44                     | 22.63        | 0        | 166        | 37   | 98      |            |           |       |       | 0                 | 0              | 0       | 31 |            |              |
| PL.16497     | PD.2151-B   | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.01            | 1.53                     | 62.26        | 19       | 453        | 105  | 97      | 0.04       | 0.0       | 1.070 | 0.007 | 0                 | 0              | 0       | 81 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.48                     | 42.03        | 13       | 310        | 65   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.00            | 0.44                     | 22.63        | 7        | 166        | 37   | 98      |            |           |       |       | 0                 | 0              | 0       | 31 |            |              |
| PL.11028     | PL.16497    | A   | 1/0ACSR            | 7.46Y     | 124.4        | 0.11            | 1.64                     | 54.87        | 17       | 401        | 83   | 98      | 0.38       | 0.1       | 1.152 | 0.082 | 0                 | 0              | 0       | 75 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.03            | 0.51                     | 42.03        | 13       | 310        | 65   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.53Y     | 125.6        | -0.01           | 0.43                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0  |            |              |
| PL.27336     | PL.11028    | A   | 1/0ACSR            | 7.46Y     | 124.3        | 0.06            | 1.70                     | 45.12        | 14       | 330        | 69   | 98      | 0.17       | 0.0       | 1.199 | 0.047 | 0                 | 0              | 0       | 63 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.02            | 0.54                     | 42.03        | 13       | 310        | 65   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.53Y     | 125.6        | -0.01           | 0.42                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0  |            |              |
| PD.2153-A    | PL.27336    | A   | Closed             | 7.46Y     | 124.3        | 0.00            | 1.70                     | 45.12        | 0        | 329        | 68   | 98      | 0.00       | 0.0       | 1.199 | 0.000 | 0                 | 0              | 0       | 63 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.54                     | 42.03        | 0        | 310        | 65   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.00            | 0.42                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0  |            |              |
| PD.2153-B    | PD.2153-A   | A   | Closed             | 7.46Y     | 124.3        | 0.00            | 1.70                     | 45.12        | 0        | 329        | 68   | 98      | 0.00       | 0.0       | 1.199 | 0.000 | 0                 | 0              | 0       | 63 |            |              |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.54                     | 42.03        | 0        | 310        | 65   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.00            | 0.42                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0  |            |              |
| PL.27337     | PD.2153-B   | A   | 1/0ACSR            | 7.46Y     | 124.3        | 0.03            | 1.73                     | 45.12        | 14       | 329        | 68   | 98      | 0.10       | 0.0       | 1.226 | 0.026 | 0                 | 0              | 0       | 63 |            |              |
|              |             | B   |                    | 7.53Y     | 125.4        | 0.01            | 0.55                     | 42.03        | 13       | 310        | 65   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | -0.01           | 0.41                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0  |            |              |
| PD.2148-A    | PL.27337    | A   | Closed             | 7.46Y     | 124.3        | 0.00            | 1.73                     | 45.12        | 0        | 329        | 68   | 98      | 0.00       | 0.0       | 1.226 | 0.000 | 0                 | 0              | 0       | 63 |            |              |
|              |             | B   |                    | 7.53Y     | 125.4        | 0.00            | 0.55                     | 42.03        | 0        | 310        | 65   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0  |            |              |
| PD.2148-B    | PD.2148-A   | A   | Closed             | 7.46Y     | 124.3        | 0.00            | 1.73                     | 45.12        | 0        | 329        | 68   | 98      | 0.00       | 0.0       | 1.226 | 0.000 | 0                 | 0              | 0       | 63 |            |              |
|              |             | B   |                    | 7.53Y     | 125.4        | 0.00            | 0.55                     | 42.03        | 0        | 310        | 65   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0  |            |              |
| PL.16098     | PD.2148-B   | A   | 1/0ACSR            | 7.42Y     | 123.7        | 0.54            | 2.27                     | 45.12        | 14       | 329        | 68   | 98      | 1.68       | 0.3       | 1.681 | 0.455 | 0                 | 0              | 0       | 63 |            |              |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.23            | 0.78                     | 42.03        | 13       | 310        | 65   | 98      |            |           |       |       | 0                 | 0              | 0       | 56 |            |              |
|              |             | C   |                    | 7.54Y     | 125.7        | -0.10           | 0.31                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0  |            |              |
| PL.8004      | PL.16098    | A   | 1/0ACSR            | 7.42Y     | 123.7        | 0.06            | 2.32                     | 45.12        | 14       | 328        | 68   | 98      | 0.18       | 0.0       | 1.730 | 0.049 | 0                 | 0              | 0       | 63 |            |              |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.02            | 0.81                     | 41.82        | 13       | 308        | 64   | 98      |            |           |       |       | 0                 | 0              | 0       | 55 |            |              |
|              |             | C   |                    | 7.54Y     | 125.7        | -0.01           | 0.30                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0  |            |              |
| PL.15976     | PL.8004     | B   | 4ACSR              | 7.51Y     | 125.2        | 0.03            | 0.84                     | 41.82        | 22       | 308        | 64   | 98      | 0.08       | 0.0       | 1.748 | 0.019 | 0                 | 0              | 0       | 55 |            |              |
| PD.2154-A    | PL.15976    | B   | Closed             | 7.51Y     | 125.2        | 0.00            | 0.84                     | 41.82        | 0        | 308        | 64   | 98      | 0.00       | 0.0       | 1.748 | 0.000 | 0                 | 0              | 0       | 55 |            |              |
| PD.2154-B    | PD.2154-A   | B   | Closed             | 7.51Y     | 125.2        | 0.00            | 0.84                     | 41.82        | 0        | 308        | 64   | 98      | 0.00       | 0.0       | 1.748 | 0.000 | 0                 | 0              | 0       | 55 |            |              |
| PL.16097     | PD.2154-B   | B   | 4ACSR              | 7.48Y     | 124.6        | 0.55            | 1.39                     | 41.82        | 22       | 308        | 64   | 98      | 1.24       | 0.4       | 2.045 | 0.297 | 0                 | 0              | 0       | 55 |            |              |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |                      |    | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |   | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|----------------------|----|------------|------|---------|------------|-----------|-------------------|-------------------|---|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | mi<br>Length<br>(mi) | KW |            |      |         |            |           |                   | KVAR              |   |            |              |
| PL.41272     | PL.16097    | B   | 4ACSR              | 7.47Y     | 124.6        | 0.06            | 1.44                     | 41.37        | 21       | 303                  | 62 | 98         | 0.13 | 0.0     | 2.077      | 0.031     | 0                 | 0                 | 0 | 54         |              |
| PD.7384-A    | PL.41272    | B   | Closed             | 7.47Y     | 124.6        | 0.00            | 1.44                     | 41.37        | 0        | 303                  | 62 | 98         | 0.00 | 0.0     | 2.077      | 0.000     | 0                 | 0                 | 0 | 54         |              |
| PD.7384-B    | PD.7384-A   | B   | Closed             | 7.47Y     | 124.6        | 0.00            | 1.44                     | 41.37        | 0        | 303                  | 62 | 98         | 0.00 | 0.0     | 2.077      | 0.000     | 0                 | 0                 | 0 | 54         |              |
| PL.41273     | PD.7384-B   | B   | 4ACSR              | 7.46Y     | 124.3        | 0.24            | 1.69                     | 41.37        | 21       | 303                  | 62 | 98         | 0.55 | 0.2     | 2.211      | 0.134     | 0                 | 0                 | 0 | 54         |              |
| PL.360       | PL.41273    | B   | 4ACSR              | 7.43Y     | 123.8        | 0.49            | 2.18                     | 41.37        | 21       | 302                  | 62 | 98         | 1.10 | 0.4     | 2.481      | 0.270     | 0                 | 0                 | 0 | 54         |              |
| PL.41204     | PL.360      | B   | 4ACSR              | 7.39Y     | 123.1        | 0.70            | 2.88                     | 40.97        | 21       | 298                  | 60 | 98         | 1.57 | 0.5     | 2.873      | 0.392     | 0                 | 0                 | 0 | 50         |              |
| PD.7358-A    | PL.41204    | B   | Closed             | 7.39Y     | 123.1        | 0.00            | 2.88                     | 40.97        | 0        | 297                  | 60 | 98         | 0.00 | 0.0     | 2.873      | 0.000     | 0                 | 0                 | 0 | 50         |              |
| PD.7358-B    | PD.7358-A   | B   | Closed             | 7.39Y     | 123.1        | 0.00            | 2.88                     | 40.97        | 0        | 297                  | 60 | 98         | 0.00 | 0.0     | 2.873      | 0.000     | 0                 | 0                 | 0 | 50         |              |
| PL.41205     | PD.7358-B   | B   | 4ACSR              | 7.39Y     | 123.1        | 0.02            | 2.90                     | 40.97        | 21       | 297                  | 60 | 98         | 0.05 | 0.0     | 2.885      | 0.012     | 0                 | 0                 | 0 | 50         |              |
| PL.17661     | PL.41205    | B   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.91                     | 2.68         | 1        | 19                   | 4  | 98         | 0.00 | 0.0     | 2.913      | 0.027     | 0                 | 0                 | 0 | 2          |              |
| PD.3123      | PL.17661    | B   | fuse6AMP           | 7.39Y     | 123.1        | 0.00            | 2.91                     | 2.68         | 46       | 19                   | 4  | 98         | 0.00 | 0.0     | 2.913      | 0.000     | 0                 | 0                 | 0 | 2          |              |
| PL.17662     | PD.3123     | B   | 4ACSR              | 7.39Y     | 123.1        | 0.01            | 2.91                     | 2.68         | 1        | 19                   | 4  | 98         | 0.00 | 0.0     | 2.962      | 0.049     | 0                 | 0                 | 0 | 2          |              |
| PL.17660     | PL.17662    | B   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.91                     | 1.03         | 1        | 7                    | 1  | 99         | 0.00 | 0.0     | 2.974      | 0.012     | 0                 | 0                 | 0 | 1          |              |
| PD.3124      | PL.17660    | B   | fuse6AMP           | 7.39Y     | 123.1        | 0.00            | 2.91                     | 1.03         | 18       | 7                    | 1  | 99         | 0.00 | 0.0     | 2.974      | 0.000     | 0                 | 0                 | 0 | 1          |              |
| PL.17659     | PD.3124     | B   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.91                     | 1.03         | 1        | 7                    | 1  | 99         | 0.00 | 0.0     | 3.006      | 0.033     | 0                 | 0                 | 0 | 1          |              |
| 066812       | PL.17659    | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.91                     | 1.03         | 0        | 7                    | 1  | 99         | 0.00 | 0.0     | 3.006      | 0.000     | 7                 | 1                 | 1 | 1          |              |
| PL.11713     | PL.17662    | B   | 4ACSR              | 7.38Y     | 123.1        | 0.03            | 2.94                     | 1.65         | 1        | 12                   | 2  | 99         | 0.00 | 0.0     | 3.322      | 0.361     | 0                 | 0                 | 0 | 1          |              |
| PL.4410      | PL.11713    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.02            | 2.95                     | 1.65         | 1        | 12                   | 2  | 99         | 0.00 | 0.0     | 3.569      | 0.247     | 0                 | 0                 | 0 | 1          |              |
| 065818       | PL.4410     | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.95                     | 1.65         | 0        | 12                   | 2  | 99         | 0.00 | 0.0     | 3.569      | 0.000     | 12                | 2                 | 1 | 1          |              |
| PL.11714     | PL.11713    | B   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.94                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 3.427      | 0.104     | 0                 | 0                 | 0 | 0          |              |
| 066803       | PL.41205    | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.90                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 2.885      | 0.000     | 0                 | 0                 | 0 | 0          |              |
| 066811       | PL.41205    | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.90                     | 0.00         | 0        | 0                    | 0  | 100        | 0.00 | 0.0     | 2.885      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| PL.41202     | PL.41205    | B   | 4ACSR              | 7.38Y     | 123.1        | 0.02            | 2.92                     | 33.20        | 17       | 240                  | 48 | 98         | 0.03 | 0.0     | 2.896      | 0.011     | 0                 | 0                 | 0 | 41         |              |
| C PD.7357    | PL.41202    | B   | 25L                | 7.38Y     | 123.1        | 0.00            | 2.92                     | 33.20        | 133      | 240                  | 48 | 98         | 0.00 | 0.0     | 2.896      | 0.000     | 0                 | 0                 | 0 | 41 C       |              |
| PL.41203     | PD.7357     | B   | 4ACSR              | 7.37Y     | 122.9        | 0.21            | 3.13                     | 33.20        | 17       | 240                  | 48 | 98         | 0.39 | 0.2     | 3.044      | 0.147     | 0                 | 0                 | 0 | 41         |              |
| PL.10656     | PL.41203    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.25            | 3.38                     | 32.38        | 17       | 234                  | 47 | 98         | 0.43 | 0.2     | 3.217      | 0.173     | 0                 | 0                 | 0 | 40         |              |
| PL.10657     | PL.10656    | B   | 4ACSR              | 7.35Y     | 122.6        | 0.07            | 3.45                     | 31.01        | 16       | 224                  | 45 | 98         | 0.12 | 0.1     | 3.267      | 0.050     | 0                 | 0                 | 0 | 38         |              |
| PL.41216     | PL.10657    | B   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.45                     | 1.23         | 1        | 9                    | 2  | 98         | 0.00 | 0.0     | 3.274      | 0.007     | 0                 | 0                 | 0 | 1          |              |
| PD.7361      | PL.41216    | B   | fuse6AMP           | 7.35Y     | 122.6        | 0.00            | 3.45                     | 1.23         | 21       | 9                    | 2  | 98         | 0.00 | 0.0     | 3.274      | 0.000     | 0                 | 0                 | 0 | 1          |              |
| PL.41217     | PD.7361     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.45                     | 1.23         | 1        | 9                    | 2  | 98         | 0.00 | 0.0     | 3.346      | 0.072     | 0                 | 0                 | 0 | 1          |              |
| 066823       | PL.41217    | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.45                     | 1.23         | 0        | 9                    | 2  | 98         | 0.00 | 0.0     | 3.346      | 0.000     | 9                 | 2                 | 1 | 1          |              |
| PL.41218     | PL.10657    | B   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.45                     | 0.81         | 0        | 6                    | 1  | 99         | 0.00 | 0.0     | 3.275      | 0.008     | 0                 | 0                 | 0 | 1          |              |
| PD.7362      | PL.41218    | B   | fuse6AMP           | 7.35Y     | 122.6        | 0.00            | 3.45                     | 0.81         | 14       | 6                    | 1  | 99         | 0.00 | 0.0     | 3.275      | 0.000     | 0                 | 0                 | 0 | 1          |              |
| PL.41219     | PD.7362     | B   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.45                     | 0.81         | 0        | 6                    | 1  | 99         | 0.00 | 0.0     | 3.320      | 0.045     | 0                 | 0                 | 0 | 1          |              |
| 066825       | PL.41219    | B   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.45                     | 0.81         | 0        | 6                    | 1  | 99         | 0.00 | 0.0     | 3.320      | 0.000     | 6                 | 1                 | 1 | 1          |              |
| PL.11215     | PL.10657    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.07            | 3.52                     | 28.97        | 15       | 209                  | 42 | 98         | 0.11 | 0.1     | 3.322      | 0.054     | 0                 | 0                 | 0 | 36         |              |
| PL.41220     | PL.11215    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.52                     | 0.62         | 0        | 4                    | 1  | 97         | 0.00 | 0.0     | 3.327      | 0.005     | 0                 | 0                 | 0 | 1          |              |
| PD.7363      | PL.41220    | B   | fuse6AMP           | 7.35Y     | 122.5        | 0.00            | 3.52                     | 0.62         | 11       | 4                    | 1  | 97         | 0.00 | 0.0     | 3.327      | 0.000     | 0                 | 0                 | 0 | 1          |              |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.41221     | PD.7363     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.52   | 0.62         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.435                               | 0.108 | 0    | 0          | 0            | 1  |
| 066816       | PL.41221    | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.52   | 0.62         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.435                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.41222     | PL.11215    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.52   | 1.31         | 1        | 9          | 2       | 98         | 0.00      | 0.0               | 3.331                               | 0.010 | 0    | 0          | 0            | 1  |
| PD.7364      | PL.41222    | B   | fuse6AMP           | 7.35Y     | 122.5        | 0.00            | 3.52   | 1.31         | 22       | 9          | 2       | 98         | 0.00      | 0.0               | 3.331                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.41223     | PD.7364     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.52   | 1.31         | 1        | 9          | 2       | 98         | 0.00      | 0.0               | 3.383                               | 0.051 | 0    | 0          | 0            | 1  |
| 066817       | PL.41223    | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.52   | 1.31         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 3.383                               | 0.000 | 9    | 2          | 1            | 1  |
| PL.11216     | PL.11215    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.02            | 3.53   | 27.04        | 14       | 195        | 39      | 98         | 0.03      | 0.0               | 3.338                               | 0.017 | 0    | 0          | 0            | 34 |
| PL.11217     | PL.11216    | B   | 4ACSR              | 7.35Y     | 122.4        | 0.05            | 3.58   | 27.04        | 14       | 195        | 39      | 98         | 0.07      | 0.0               | 3.379                               | 0.041 | 0    | 0          | 0            | 34 |
| PL.41226     | PL.11217    | B   | 4ACSR              | 7.35Y     | 122.4        | 0.00            | 3.58   | 1.10         | 1        | 8          | 2       | 97         | 0.00      | 0.0               | 3.386                               | 0.008 | 0    | 0          | 0            | 1  |
| PD.7366      | PL.41226    | B   | fuse6AMP           | 7.35Y     | 122.4        | 0.00            | 3.58   | 1.10         | 19       | 8          | 2       | 97         | 0.00      | 0.0               | 3.386                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.41227     | PD.7366     | B   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.59   | 1.10         | 1        | 8          | 2       | 97         | 0.00      | 0.0               | 3.484                               | 0.097 | 0    | 0          | 0            | 1  |
| 066714       | PL.41227    | B   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.59   | 1.10         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 3.484                               | 0.000 | 8    | 2          | 1            | 1  |
| PL.11218     | PL.11217    | B   | 4ACSR              | 7.34Y     | 122.4        | 0.06            | 3.64   | 24.87        | 13       | 179        | 36      | 98         | 0.08      | 0.0               | 3.436                               | 0.057 | 0    | 0          | 0            | 31 |
| PL.11219     | PL.11218    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.08            | 3.73   | 23.50        | 12       | 169        | 34      | 98         | 0.11      | 0.1               | 3.516                               | 0.080 | 0    | 0          | 0            | 30 |
| PL.41233     | PL.11219    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.73   | 1.50         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 3.528                               | 0.012 | 0    | 0          | 0            | 3  |
| PD.7368      | PL.41233    | B   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.73   | 1.50         | 26       | 11         | 2       | 98         | 0.00      | 0.0               | 3.528                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.41234     | PD.7368     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.73   | 1.50         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 3.570                               | 0.041 | 0    | 0          | 0            | 3  |
| PL.7941      | PL.41234    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.73   | 1.50         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 3.570                               | 0.000 | 0    | 0          | 0            | 3  |
| 066710       | PL.7941     | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.73   | 0.58         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.570                               | 0.000 | 4    | 1          | 1            | 1  |
| 065715       | PL.7941     | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.73   | 0.89         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.570                               | 0.000 | 6    | 1          | 1            | 1  |
| 0667020      | PL.7941     | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.73   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.570                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.41231     | PL.11219    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.73   | 0.50         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.525                               | 0.009 | 0    | 0          | 0            | 1  |
| PD.7367      | PL.41231    | B   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.73   | 0.50         | 9        | 4          | 1       | 97         | 0.00      | 0.0               | 3.525                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.41232     | PD.7367     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.73   | 0.50         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.565                               | 0.040 | 0    | 0          | 0            | 1  |
| 066713       | PL.41232    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.73   | 0.50         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.565                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.11221     | PL.11219    | B   | 4ACSR              | 7.33Y     | 122.1        | 0.12            | 3.85   | 21.50        | 11       | 155        | 31      | 98         | 0.14      | 0.1               | 3.647                               | 0.131 | 0    | 0          | 0            | 26 |
| 065708       | PL.11221    | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.85   | 0.60         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.647                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.11222     | PL.11221    | B   | 4ACSR              | 7.33Y     | 122.1        | 0.03            | 3.88   | 20.90        | 11       | 150        | 30      | 98         | 0.04      | 0.0               | 3.684                               | 0.038 | 0    | 0          | 0            | 25 |
| PL.41240     | PL.11222    | B   | 4ACSR              | 7.33Y     | 122.1        | 0.00            | 3.88   | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.688                               | 0.004 | 0    | 0          | 0            | 1  |
| PD.7370      | PL.41240    | B   | fuse6AMP           | 7.33Y     | 122.1        | 0.00            | 3.88   | 0.80         | 14       | 6          | 1       | 99         | 0.00      | 0.0               | 3.688                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.41241     | PD.7370     | B   | 4ACSR              | 7.33Y     | 122.1        | 0.00            | 3.89   | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.792                               | 0.103 | 0    | 0          | 0            | 1  |
| PL.4275      | PL.41241    | B   | 4ACSR              | 7.33Y     | 122.1        | 0.00            | 3.89   | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.858                               | 0.066 | 0    | 0          | 0            | 1  |
| 065722       | PL.4275     | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.89   | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.858                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.41238     | PL.11222    | B   | 4ACSR              | 7.33Y     | 122.1        | 0.00            | 3.89   | 18.85        | 10       | 135        | 27      | 98         | 0.00      | 0.0               | 3.690                               | 0.005 | 0    | 0          | 0            | 21 |
| PD.7369-A    | PL.41238    | B   | Closed             | 7.33Y     | 122.1        | 0.00            | 3.89   | 18.85        | 0        | 135        | 27      | 98         | 0.00      | 0.0               | 3.690                               | 0.000 | 0    | 0          | 0            | 21 |
| PD.7369-B    | PD.7369-A   | B   | Closed             | 7.33Y     | 122.1        | 0.00            | 3.89   | 18.85        | 0        | 135        | 27      | 98         | 0.00      | 0.0               | 3.690                               | 0.000 | 0    | 0          | 0            | 21 |
| PL.41244     | PD.7369-B   | B   | 4ACSR              | 7.33Y     | 122.1        | 0.01            | 3.90   | 18.85        | 10       | 135        | 27      | 98         | 0.01      | 0.0               | 3.706                               | 0.017 | 0    | 0          | 0            | 21 |
| PL.41245     | PL.41244    | B   | 4ACSR              | 7.32Y     | 121.9        | 0.18            | 4.08   | 18.85        | 10       | 135        | 27      | 98         | 0.18      | 0.1               | 3.921                               | 0.215 | 0    | 0          | 0            | 21 |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.41246     | PL.41245    | B   | 4ACSR              | 7.32Y     | 121.9        | 0.00            | 4.08   | 1.44         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 3.929                               | 0.008 | 0    | 0          | 0            | 1  |
| PD.7372      | PL.41246    | B   | fuse6AMP           | 7.32Y     | 121.9        | 0.00            | 4.08   | 1.44         | 25       | 10         | 2       | 98         | 0.00      | 0.0               | 3.929                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.41247     | PD.7372     | B   | 4ACSR              | 7.31Y     | 121.9        | 0.00            | 4.08   | 1.44         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 3.986                               | 0.058 | 0    | 0          | 0            | 1  |
| 065731       | PL.41247    | B   | Consumer           | 7.31Y     | 121.9        | 0.00            | 4.08   | 1.44         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 3.986                               | 0.000 | 10   | 2          | 1            | 1  |
| PL.7945      | PL.41245    | B   | 4ACSR              | 7.31Y     | 121.9        | 0.07            | 4.15   | 16.71        | 9        | 120        | 24      | 98         | 0.06      | 0.1               | 4.015                               | 0.094 | 0    | 0          | 0            | 19 |
| 065716       | PL.7945     | B   | Consumer           | 7.31Y     | 121.9        | 0.00            | 4.15   | 1.28         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 4.015                               | 0.000 | 9    | 2          | 1            | 1  |
| PL.11223     | PL.7945     | B   | 4ACSR              | 7.31Y     | 121.8        | 0.02            | 4.17   | 15.42        | 8        | 111        | 22      | 98         | 0.02      | 0.0               | 4.043                               | 0.028 | 0    | 0          | 0            | 18 |
| PL.41248     | PL.11223    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.17   | 2.40         | 1        | 17         | 3       | 98         | 0.00      | 0.0               | 4.051                               | 0.008 | 0    | 0          | 0            | 2  |
| PD.7373      | PL.41248    | B   | fuse6AMP           | 7.31Y     | 121.8        | 0.00            | 4.17   | 2.40         | 41       | 17         | 3       | 98         | 0.00      | 0.0               | 4.051                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.41249     | PD.7373     | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.17   | 2.40         | 1        | 17         | 3       | 98         | 0.00      | 0.0               | 4.097                               | 0.046 | 0    | 0          | 0            | 2  |
| 065724       | PL.41249    | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.17   | 1.55         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 4.097                               | 0.000 | 11   | 2          | 1            | 1  |
| PL.4357      | PL.41249    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.18   | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.150                               | 0.053 | 0    | 0          | 0            | 1  |
| 065726       | PL.4357     | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.18   | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.150                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.11224     | PL.11223    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.03            | 4.20   | 13.02        | 7        | 93         | 19      | 98         | 0.02      | 0.0               | 4.101                               | 0.058 | 0    | 0          | 0            | 16 |
| PL.11143     | PL.11224    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.03            | 4.23   | 12.61        | 6        | 90         | 18      | 98         | 0.02      | 0.0               | 4.156                               | 0.056 | 0    | 0          | 0            | 15 |
| 065727       | PL.11143    | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.23   | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.156                               | 0.000 | 0    | 0          | 1            | 1  |
| 065720       | PL.11143    | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.23   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.156                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.41252     | PL.11143    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.23   | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.161                               | 0.004 | 0    | 0          | 0            | 1  |
| PD.7375      | PL.41252    | B   | fuse6AMP           | 7.31Y     | 121.8        | 0.00            | 4.23   | 0.15         | 3        | 1          | 0       | 100        | 0.00      | 0.0               | 4.161                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.41253     | PD.7375     | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.23   | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.211                               | 0.050 | 0    | 0          | 0            | 1  |
| 065729       | PL.41253    | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.23   | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.211                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.11144     | PL.11143    | B   | 4ACSR              | 7.30Y     | 121.7        | 0.03            | 4.26   | 12.43        | 6        | 89         | 18      | 98         | 0.02      | 0.0               | 4.212                               | 0.056 | 0    | 0          | 0            | 12 |
| PL.11145     | PL.11144    | B   | 4ACSR              | 7.30Y     | 121.7        | 0.01            | 4.28   | 8.92         | 5        | 64         | 13      | 98         | 0.01      | 0.0               | 4.249                               | 0.036 | 0    | 0          | 0            | 9  |
| PL.11146     | PL.11145    | B   | 4ACSR              | 7.30Y     | 121.7        | 0.05            | 4.33   | 8.27         | 4        | 59         | 12      | 98         | 0.02      | 0.0               | 4.399                               | 0.151 | 0    | 0          | 0            | 8  |
| PL.16432     | PL.11146    | B   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.33   | 5.97         | 3        | 43         | 8       | 98         | 0.00      | 0.0               | 4.404                               | 0.005 | 0    | 0          | 0            | 7  |
| PD.2159-A    | PL.16432    | B   | Closed             | 7.30Y     | 121.7        | 0.00            | 4.33   | 5.97         | 0        | 43         | 8       | 98         | 0.00      | 0.0               | 4.404                               | 0.000 | 0    | 0          | 0            | 7  |
| PD.2159-B    | PD.2159-A   | B   | Closed             | 7.30Y     | 121.7        | 0.00            | 4.33   | 5.97         | 0        | 43         | 8       | 98         | 0.00      | 0.0               | 4.404                               | 0.000 | 0    | 0          | 0            | 7  |
| PL.16433     | PD.2159-B   | B   | 4ACSR              | 7.30Y     | 121.6        | 0.03            | 4.36   | 5.97         | 3        | 43         | 8       | 98         | 0.01      | 0.0               | 4.503                               | 0.099 | 0    | 0          | 0            | 7  |
| PL.7942      | PL.16433    | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.36   | 4.73         | 2        | 34         | 7       | 98         | 0.00      | 0.0               | 4.526                               | 0.023 | 0    | 0          | 0            | 6  |
| PL.7943      | PL.7942     | B   | 4ACSR              | 7.30Y     | 121.6        | 0.03            | 4.39   | 4.10         | 2        | 29         | 6       | 98         | 0.01      | 0.0               | 4.673                               | 0.147 | 0    | 0          | 0            | 5  |
| PL.11147     | PL.7943     | B   | 4ACSR              | 7.30Y     | 121.6        | 0.01            | 4.40   | 2.82         | 1        | 20         | 4       | 98         | 0.00      | 0.0               | 4.760                               | 0.087 | 0    | 0          | 0            | 2  |
| PL.24413     | PL.11147    | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40   | 1.03         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 4.800                               | 0.040 | 0    | 0          | 0            | 1  |
| PL.4101      | PL.24413    | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40   | 1.03         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 4.847                               | 0.047 | 0    | 0          | 0            | 1  |
| 064704       | PL.4101     | B   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.40   | 1.03         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.847                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.41262     | PL.11147    | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40   | 1.80         | 1        | 13         | 3       | 97         | 0.00      | 0.0               | 4.765                               | 0.004 | 0    | 0          | 0            | 1  |
| PL.41263     | PL.41262    | B   | 4ACSR              | 7.30Y     | 121.6        | 0.01            | 4.41   | 1.80         | 1        | 13         | 3       | 97         | 0.00      | 0.0               | 4.858                               | 0.093 | 0    | 0          | 0            | 1  |
| PL.4080      | PL.41263    | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.41   | 1.80         | 1        | 13         | 3       | 97         | 0.00      | 0.0               | 4.873                               | 0.016 | 0    | 0          | 0            | 1  |
| 064734       | PL.4080     | B   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.41   | 1.80         | 0        | 13         | 3       | 97         | 0.00      | 0.0               | 4.873                               | 0.000 | 13   | 3          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 064733       | PL.4080     | B   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.873                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.41264     | PL.11147    | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.764                               | 0.004 | 0    | 0          | 0            | 0 |
| PL.41265     | PL.41264    | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.797                               | 0.032 | 0    | 0          | 0            | 0 |
| PL.313       | PL.41265    | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.925                               | 0.129 | 0    | 0          | 0            | 0 |
| PL.16430     | PL.313      | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.930                               | 0.005 | 0    | 0          | 0            | 0 |
| PD.2381-A    | PL.16430    | B   | Open               | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.930                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.41260     | PL.7943     | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.39                     | 1.27         | 1        | 9          | 2       | 98         | 0.00      | 0.0               | 4.676                               | 0.003 | 0    | 0          | 0            | 3 |
| PD.7379      | PL.41260    | B   | fuse6AMP           | 7.30Y     | 121.6        | 0.00            | 4.39                     | 1.27         | 22       | 9          | 2       | 98         | 0.00      | 0.0               | 4.676                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.41261     | PD.7379     | B   | 4ACSR              | 7.30Y     | 121.6        | 0.01            | 4.39                     | 1.27         | 1        | 9          | 2       | 98         | 0.00      | 0.0               | 4.781                               | 0.105 | 0    | 0          | 0            | 3 |
| PL.7939      | PL.41261    | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.70         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.825                               | 0.043 | 0    | 0          | 0            | 2 |
| PL.4073      | PL.7939     | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.70         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.899                               | 0.074 | 0    | 0          | 0            | 2 |
| PL.4074      | PL.4073     | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.08         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.949                               | 0.051 | 0    | 0          | 0            | 1 |
| PL.24414     | PL.4074     | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.08         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.019                               | 0.070 | 0    | 0          | 0            | 1 |
| 065713       | PL.24414    | B   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.08         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.019                               | 0.000 | 1    | 0          | 1            | 1 |
| 064716       | PL.4073     | B   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.62         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.899                               | 0.000 | 4    | 1          | 1            | 1 |
| 065710       | PL.41261    | B   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39                     | 0.57         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.781                               | 0.000 | 4    | 1          | 1            | 1 |
| 065702       | PL.7943     | B   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.673                               | 0.000 | 0    | 0          | 0            | 0 |
| 065723       | PL.7942     | B   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.36                     | 0.64         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.526                               | 0.000 | 5    | 1          | 1            | 1 |
| 065703       | PL.16433    | B   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.36                     | 1.23         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 4.503                               | 0.000 | 9    | 2          | 1            | 1 |
| 065721       | PL.11146    | B   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.33                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.399                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.41258     | PL.11146    | B   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.33                     | 2.31         | 1        | 17         | 3       | 98         | 0.00      | 0.0               | 4.403                               | 0.003 | 0    | 0          | 0            | 1 |
| PD.7378      | PL.41258    | B   | fuse6AMP           | 7.30Y     | 121.7        | 0.00            | 4.33                     | 2.31         | 39       | 17         | 3       | 98         | 0.00      | 0.0               | 4.403                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.41259     | PD.7378     | B   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.33                     | 2.31         | 1        | 17         | 3       | 98         | 0.00      | 0.0               | 4.433                               | 0.031 | 0    | 0          | 0            | 1 |
| 065730       | PL.41259    | B   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.33                     | 2.31         | 0        | 17         | 3       | 98         | 0.00      | 0.0               | 4.433                               | 0.000 | 17   | 3          | 1            | 1 |
| PL.41256     | PL.11145    | B   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.28                     | 0.65         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.252                               | 0.004 | 0    | 0          | 0            | 1 |
| PD.7377      | PL.41256    | B   | fuse6AMP           | 7.30Y     | 121.7        | 0.00            | 4.28                     | 0.65         | 11       | 5          | 1       | 98         | 0.00      | 0.0               | 4.252                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.41257     | PD.7377     | B   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.28                     | 0.65         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.416                               | 0.164 | 0    | 0          | 0            | 1 |
| 065705       | PL.41257    | B   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.28                     | 0.65         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.416                               | 0.000 | 5    | 1          | 1            | 1 |
| 065706       | PL.11144    | B   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.26                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.212                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.41254     | PL.11144    | B   | 4ACSR              | 7.30Y     | 121.7        | 0.00            | 4.26                     | 2.72         | 1        | 19         | 4       | 98         | 0.00      | 0.0               | 4.217                               | 0.005 | 0    | 0          | 0            | 2 |
| PD.7376      | PL.41254    | B   | fuse6AMP           | 7.30Y     | 121.7        | 0.00            | 4.26                     | 2.72         | 46       | 19         | 4       | 98         | 0.00      | 0.0               | 4.217                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.41255     | PD.7376     | B   | 4ACSR              | 7.30Y     | 121.7        | 0.01            | 4.27                     | 2.72         | 1        | 19         | 4       | 98         | 0.00      | 0.0               | 4.324                               | 0.107 | 0    | 0          | 0            | 2 |
| 065732       | PL.41255    | B   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.27                     | 1.53         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 4.324                               | 0.000 | 11   | 2          | 1            | 1 |
| 065719       | PL.41255    | B   | Consumer           | 7.30Y     | 121.7        | 0.00            | 4.27                     | 1.19         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 4.324                               | 0.000 | 8    | 2          | 1            | 1 |
| PL.41250     | PL.11224    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.20                     | 0.41         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.110                               | 0.009 | 0    | 0          | 0            | 1 |
| PD.7374      | PL.41250    | B   | fuse6AMP           | 7.31Y     | 121.8        | 0.00            | 4.20                     | 0.41         | 7        | 3          | 1       | 95         | 0.00      | 0.0               | 4.110                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.41251     | PD.7374     | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.20                     | 0.41         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.145                               | 0.035 | 0    | 0          | 0            | 1 |
| 065718       | PL.41251    | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.20                     | 0.41         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.145                               | 0.000 | 3    | 1          | 1            | 1 |



Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 065728       | PL.41245    | B   | Consumer           | 7.32Y     | 121.9        | 0.00            | 4.08   | 0.70         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 3.921                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.41242     | PL.11222    | B   | 4ACSR              | 7.33Y     | 122.1        | 0.00            | 3.89   | 1.18         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 3.689                               | 0.005 | 0    | 0          | 0            | 2         |
| PD.7371      | PL.41242    | B   | fuse6AMP           | 7.33Y     | 122.1        | 0.00            | 3.89   | 1.18         | 20       | 8          | 2    | 97      | 0.00       | 0.0               | 3.689                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.41243     | PD.7371     | B   | 4ACSR              | 7.33Y     | 122.1        | 0.01            | 3.89   | 1.18         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 3.793                               | 0.104 | 0    | 0          | 0            | 2         |
| 0667017      | PL.41243    | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.89   | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.793                               | 0.000 | 0    | 0          | 1            | 1         |
| 066712       | PL.41243    | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.89   | 1.16         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 3.793                               | 0.000 | 8    | 2          | 1            | 1         |
| 065725       | PL.11222    | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.88   | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.684                               | 0.000 | 0    | 0          | 1            | 1         |
| 066716       | PL.11218    | B   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.64   | 1.36         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 3.436                               | 0.000 | 10   | 2          | 1            | 1         |
| PL.41224     | PL.11217    | B   | 4ACSR              | 7.35Y     | 122.4        | 0.00            | 3.58   | 1.08         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 3.387                               | 0.008 | 0    | 0          | 0            | 2         |
| PD.7365      | PL.41224    | B   | fuse6AMP           | 7.35Y     | 122.4        | 0.00            | 3.58   | 1.08         | 18       | 8          | 2    | 97      | 0.00       | 0.0               | 3.387                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.41229     | PD.7365     | B   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.58   | 1.08         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 3.393                               | 0.006 | 0    | 0          | 0            | 2         |
| PL.41228     | PL.41229    | B   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.58   | 0.31         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.429                               | 0.036 | 0    | 0          | 0            | 1         |
| 0667021      | PL.41228    | B   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.58   | 0.31         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.429                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.41230     | PL.41229    | B   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.58   | 0.77         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.419                               | 0.026 | 0    | 0          | 0            | 1         |
| 066711       | PL.41230    | B   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.58   | 0.77         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.419                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.41208     | PL.10656    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.38   | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.224                               | 0.007 | 0    | 0          | 0            | 1         |
| PD.7360      | PL.41208    | B   | fuse6AMP           | 7.36Y     | 122.6        | 0.00            | 3.38   | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.224                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.41209     | PD.7360     | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.38   | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.255                               | 0.031 | 0    | 0          | 0            | 1         |
| 066813       | PL.41209    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.38   | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.255                               | 0.000 | 0    | 0          | 1            | 1         |
| 066818       | PL.10656    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.38   | 1.34         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 3.217                               | 0.000 | 10   | 2          | 1            | 1         |
| PL.41206     | PL.41203    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.13   | 0.83         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.050                               | 0.006 | 0    | 0          | 0            | 1         |
| PD.7359      | PL.41206    | B   | fuse6AMP           | 7.37Y     | 122.9        | 0.00            | 3.13   | 0.83         | 14       | 6          | 1    | 99      | 0.00       | 0.0               | 3.050                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.41207     | PD.7359     | B   | 4ACSR              | 7.37Y     | 122.9        | 0.00            | 3.14   | 0.83         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.141                               | 0.091 | 0    | 0          | 0            | 1         |
| 066824       | PL.41207    | B   | Consumer           | 7.37Y     | 122.9        | 0.00            | 3.14   | 0.83         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.141                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.17663     | PL.41205    | B   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.90   | 5.08         | 3        | 37         | 7    | 98      | 0.00       | 0.0               | 2.898                               | 0.013 | 0    | 0          | 0            | 6         |
| C PD.3122    | PL.17663    | B   | fuse6AMP           | 7.39Y     | 123.1        | 0.00            | 2.90   | 5.08         | 87       | 37         | 7    | 98      | 0.00       | 0.0               | 2.898                               | 0.000 | 0    | 0          | 0            | 6 C       |
| PL.27304     | PD.3122     | B   | 4ACSR              | 7.38Y     | 123.0        | 0.10            | 3.01   | 5.08         | 3        | 37         | 7    | 98      | 0.03       | 0.1               | 3.360                               | 0.461 | 0    | 0          | 0            | 6         |
| PL.27305     | PL.27304    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.01            | 3.01   | 4.01         | 2        | 29         | 6    | 98      | 0.00       | 0.0               | 3.393                               | 0.033 | 0    | 0          | 0            | 5         |
| PL.7977      | PL.27305    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.02   | 2.82         | 1        | 20         | 4    | 98      | 0.00       | 0.0               | 3.428                               | 0.035 | 0    | 0          | 0            | 4         |
| PL.7978      | PL.7977     | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.02   | 1.68         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 3.484                               | 0.057 | 0    | 0          | 0            | 3         |
| PL.7952      | PL.7978     | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.03   | 0.84         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.612                               | 0.128 | 0    | 0          | 0            | 2         |
| 066809       | PL.7952     | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.03   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.612                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.7953      | PL.7952     | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.03   | 0.82         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.720                               | 0.108 | 0    | 0          | 0            | 1         |
| 066819       | PL.7953     | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.03   | 0.82         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.720                               | 0.000 | 6    | 1          | 1            | 1         |
| 066806       | PL.7978     | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.02   | 0.84         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.484                               | 0.000 | 6    | 1          | 1            | 1         |
| 066822       | PL.7977     | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.02   | 1.13         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 3.428                               | 0.000 | 8    | 2          | 1            | 1         |
| 066821       | PL.27305    | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.01   | 1.19         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 3.393                               | 0.000 | 9    | 2          | 1            | 1         |
| PL.4404      | PL.27304    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.01   | 1.08         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 3.461                               | 0.101 | 0    | 0          | 0            | 1         |

Unbalanced Voltage Drop Report
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' with a base voltage of 120.0.

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.11153     | PL.16494    | A   | 4ACSR              | 7.34Y     | 122.3        | 0.04            | 3.67                     | 8.73         | 5        | 63         | 12   | 98      | 0.02       | 0.0               | 2.568                               | 0.108 | 0    | 0          | 0            | 10        |
| PL.11154     | PL.11153    | A   | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.68                     | 4.08         | 2        | 29         | 6    | 98      | 0.00       | 0.0               | 2.605                               | 0.037 | 0    | 0          | 0            | 5         |
| PL.4005      | PL.11154    | A   | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.68                     | 1.91         | 1        | 14         | 3    | 98      | 0.00       | 0.0               | 2.687                               | 0.082 | 0    | 0          | 0            | 3         |
| PL.4006      | PL.4005     | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.69                     | 0.65         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.773                               | 0.086 | 0    | 0          | 0            | 1         |
| 067921       | PL.4006     | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.69                     | 0.65         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.773                               | 0.000 | 5    | 1          | 1            | 1         |
| 067920       | PL.4005     | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.71         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.687                               | 0.000 | 5    | 1          | 1            | 1         |
| 067927       | PL.4005     | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.68                     | 0.54         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.687                               | 0.000 | 4    | 1          | 1            | 1         |
| PL.11152     | PL.11154    | A   | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.69                     | 2.18         | 1        | 16         | 3    | 98      | 0.00       | 0.0               | 2.704                               | 0.099 | 0    | 0          | 0            | 2         |
| 067941       | PL.11152    | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.704                               | 0.000 | 0    | 0          | 0            | 0         |
| 067937       | PL.11152    | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.69                     | 1.29         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 2.704                               | 0.000 | 9    | 2          | 1            | 1         |
| PL.25060     | PL.11152    | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.69                     | 0.88         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.757                               | 0.053 | 0    | 0          | 0            | 1         |
| PL.25281     | PL.25060    | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.69                     | 0.88         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.843                               | 0.087 | 0    | 0          | 0            | 1         |
| 067945       | PL.25281    | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.69                     | 0.88         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.843                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.4432      | PL.11153    | A   | 4ACSR              | 7.34Y     | 122.3        | 0.03            | 3.70                     | 4.65         | 2        | 33         | 7    | 98      | 0.01       | 0.0               | 2.718                               | 0.150 | 0    | 0          | 0            | 5         |
| 067809       | PL.4432     | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.70                     | 1.51         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 2.718                               | 0.000 | 11   | 2          | 1            | 1         |
| PL.4433      | PL.4432     | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.70                     | 1.06         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 2.781                               | 0.063 | 0    | 0          | 0            | 1         |
| 067824       | PL.4433     | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.70                     | 1.06         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 2.781                               | 0.000 | 8    | 2          | 1            | 1         |
| PL.4434      | PL.4432     | A   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.71                     | 2.08         | 1        | 15         | 3    | 98      | 0.00       | 0.0               | 2.771                               | 0.052 | 0    | 0          | 0            | 3         |
| 067819       | PL.4434     | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.771                               | 0.000 | 2    | 0          | 1            | 1         |
| 067931       | PL.4434     | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 0.43         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 2.771                               | 0.000 | 3    | 1          | 1            | 1         |
| 067944       | PL.4434     | A   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.71                     | 1.38         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 2.771                               | 0.000 | 10   | 2          | 1            | 1         |
| PL.8005      | PL.11035    | A   | 4ACSR              | 7.33Y     | 122.2        | 0.23            | 3.81                     | 32.48        | 17       | 234        | 48   | 98      | 0.41       | 0.2               | 2.526                               | 0.162 | 0    | 0          | 0            | 47        |
| PL.28702     | PL.8005     | A   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.81                     | 1.78         | 1        | 13         | 3    | 97      | 0.00       | 0.0               | 2.530                               | 0.005 | 0    | 0          | 0            | 4         |
| PL.28703     | PL.28702    | A   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.81                     | 1.78         | 1        | 13         | 3    | 97      | 0.00       | 0.0               | 2.530                               | 0.000 | 0    | 0          | 0            | 4         |
| PD.2157-A    | PL.28703    | A   | Closed             | 7.33Y     | 122.2        | 0.00            | 3.81                     | 1.78         | 0        | 13         | 3    | 97      | 0.00       | 0.0               | 2.530                               | 0.000 | 0    | 0          | 0            | 4         |
| PD.2157-B    | PD.2157-A   | A   | Closed             | 7.33Y     | 122.2        | 0.00            | 3.81                     | 1.78         | 0        | 13         | 3    | 97      | 0.00       | 0.0               | 2.530                               | 0.000 | 0    | 0          | 0            | 4         |
| PL.16490     | PD.2157-B   | A   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.81                     | 1.78         | 1        | 13         | 3    | 97      | 0.00       | 0.0               | 2.592                               | 0.061 | 0    | 0          | 0            | 4         |
| PL.4009      | PL.16490    | A   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.52         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.635                               | 0.043 | 0    | 0          | 0            | 3         |
| PL.4010      | PL.4009     | A   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.16         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.697                               | 0.062 | 0    | 0          | 0            | 1         |
| 067926       | PL.4010     | A   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.16         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.697                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.4011      | PL.4009     | A   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.676                               | 0.041 | 0    | 0          | 0            | 0         |
| 067947       | PL.4011     | A   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.676                               | 0.000 | 0    | 0          | 0            | 0         |
| 067936       | PL.4011     | A   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.676                               | 0.000 | 0    | 0          | 0            | 0         |
| 067957       | PL.4009     | A   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.635                               | 0.000 | 0    | 0          | 1            | 1         |
| 067903       | PL.4009     | A   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.37         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 2.635                               | 0.000 | 3    | 1          | 1            | 1         |
| PL.4008      | PL.16490    | A   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.82                     | 1.26         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 2.655                               | 0.064 | 0    | 0          | 0            | 1         |
| 067902       | PL.4008     | A   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.82                     | 1.26         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 2.655                               | 0.000 | 9    | 2          | 1            | 1         |
| PL.16488     | PL.8005     | A   | 4ACSR              | 7.33Y     | 122.2        | 0.01            | 3.82                     | 30.69        | 16       | 221        | 45   | 98      | 0.02       | 0.0               | 2.534                               | 0.008 | 0    | 0          | 0            | 43        |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| C PD.3162    | PL.16488    | A   | fuse6AMP           | 7.33Y     | 122.2        | 0.00            | 3.82                     | 30.69        | 524      | 221        | 45   | 98      | 0.00       | 0.0               | 2.534                               | 0.000 | 0    | 0          | 0            | 43 C      |
| PL.16489     | PD.3162     | A   | 4ACSR              | 7.32Y     | 122.0        | 0.14            | 3.95                     | 30.69        | 16       | 221        | 45   | 98      | 0.23       | 0.1               | 2.636                               | 0.102 | 0    | 0          | 0            | 43        |
| PL.41276     | PL.16489    | A   | 4ACSR              | 7.32Y     | 122.0        | 0.01            | 3.96                     | 30.66        | 16       | 220        | 45   | 98      | 0.01       | 0.0               | 2.640                               | 0.004 | 0    | 0          | 0            | 42        |
| PD.7388-A    | PL.41276    | A   | Closed             | 7.32Y     | 122.0        | 0.00            | 3.96                     | 30.66        | 0        | 220        | 45   | 98      | 0.00       | 0.0               | 2.640                               | 0.000 | 0    | 0          | 0            | 42        |
| PD.7388-B    | PD.7388-A   | A   | Closed             | 7.32Y     | 122.0        | 0.00            | 3.96                     | 30.66        | 0        | 220        | 45   | 98      | 0.00       | 0.0               | 2.640                               | 0.000 | 0    | 0          | 0            | 42        |
| PL.41277     | PD.7388-B   | A   | 4ACSR              | 7.31Y     | 121.8        | 0.23            | 4.19                     | 30.66        | 16       | 220        | 45   | 98      | 0.38       | 0.2               | 2.808                               | 0.168 | 0    | 0          | 0            | 42        |
| PL.16482     | PL.41277    | A   | 4ACSR              | 7.29Y     | 121.6        | 0.24            | 4.42                     | 30.15        | 16       | 216        | 44   | 98      | 0.39       | 0.2               | 2.986                               | 0.178 | 0    | 0          | 0            | 41        |
| PL.16483     | PL.16482    | A   | 4ACSR              | 7.29Y     | 121.6        | 0.01            | 4.44                     | 30.15        | 16       | 216        | 43   | 98      | 0.02       | 0.0               | 2.997                               | 0.011 | 0    | 0          | 0            | 41        |
| PL.4363      | PL.16483    | A   | 4ACSR              | 7.29Y     | 121.6        | 0.00            | 4.44                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.008                               | 0.010 | 0    | 0          | 0            | 0         |
| PL.41304     | PL.16483    | A   | 4ACSR              | 7.29Y     | 121.6        | 0.01            | 4.44                     | 29.86        | 15       | 214        | 43   | 98      | 0.01       | 0.0               | 3.003                               | 0.005 | 0    | 0          | 0            | 40        |
| PD.2158-A    | PL.41304    | A   | Closed             | 7.29Y     | 121.6        | 0.00            | 4.44                     | 29.86        | 0        | 213        | 43   | 98      | 0.00       | 0.0               | 3.003                               | 0.000 | 0    | 0          | 0            | 40        |
| PD.2158-B    | PD.2158-A   | A   | Closed             | 7.29Y     | 121.6        | 0.00            | 4.44                     | 29.86        | 0        | 213        | 43   | 98      | 0.00       | 0.0               | 3.003                               | 0.000 | 0    | 0          | 0            | 40        |
| PL.41305     | PD.2158-B   | A   | 4ACSR              | 7.29Y     | 121.6        | 0.00            | 4.45                     | 29.86        | 15       | 213        | 43   | 98      | 0.01       | 0.0               | 3.006                               | 0.004 | 0    | 0          | 0            | 40        |
| PL.41306     | PL.41305    | A   | 4ACSR              | 7.29Y     | 121.5        | 0.05            | 4.50                     | 29.86        | 15       | 213        | 43   | 98      | 0.09       | 0.0               | 3.048                               | 0.041 | 0    | 0          | 0            | 40        |
| C PD.7391    | PL.41306    | A   | 25L                | 7.29Y     | 121.5        | 0.00            | 4.50                     | 29.86        | 119      | 213        | 43   | 98      | 0.00       | 0.0               | 3.048                               | 0.000 | 0    | 0          | 0            | 40 C      |
| PL.41307     | PD.7391     | A   | 4ACSR              | 7.29Y     | 121.5        | 0.03            | 4.53                     | 29.86        | 15       | 213        | 43   | 98      | 0.05       | 0.0               | 3.070                               | 0.022 | 0    | 0          | 0            | 40        |
| PL.8008      | PL.41307    | A   | 4ACSR              | 7.28Y     | 121.4        | 0.10            | 4.63                     | 29.86        | 15       | 213        | 43   | 98      | 0.16       | 0.1               | 3.146                               | 0.076 | 0    | 0          | 0            | 39        |
| 067925       | PL.8008     | A   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.63                     | 0.31         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.146                               | 0.000 | 2    | 0          | 1            | 1         |
| 067909       | PL.8008     | A   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.63                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.146                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.10615     | PL.8008     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.05            | 4.68                     | 29.55        | 15       | 211        | 42   | 98      | 0.09       | 0.0               | 3.188                               | 0.042 | 0    | 0          | 0            | 38        |
| PL.41280     | PL.10615    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.69                     | 3.45         | 2        | 25         | 5    | 98      | 0.00       | 0.0               | 3.193                               | 0.006 | 0    | 0          | 0            | 2         |
| PD.7390      | PL.41280    | A   | fuse6AMP           | 7.28Y     | 121.3        | 0.00            | 4.69                     | 3.45         | 59       | 25         | 5    | 98      | 0.00       | 0.0               | 3.193                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.41281     | PD.7390     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.70                     | 3.45         | 2        | 25         | 5    | 98      | 0.00       | 0.0               | 3.264                               | 0.071 | 0    | 0          | 0            | 2         |
| PL.4025      | PL.41281    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.70                     | 1.50         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 3.356                               | 0.092 | 0    | 0          | 0            | 1         |
| 067955       | PL.4025     | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.70                     | 1.50         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 3.356                               | 0.000 | 11   | 2          | 1            | 1         |
| 067953       | PL.41281    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.70                     | 1.95         | 0        | 14         | 3    | 98      | 0.00       | 0.0               | 3.264                               | 0.000 | 14   | 3          | 1            | 1         |
| PL.10616     | PL.10615    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.06            | 4.75                     | 26.10        | 13       | 186        | 37   | 98      | 0.09       | 0.0               | 3.242                               | 0.054 | 0    | 0          | 0            | 35        |
| 067910       | PL.10616    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.75                     | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.242                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.16486     | PL.10616    | A   | 4ACSR              | 7.27Y     | 121.2        | 0.01            | 4.76                     | 25.77        | 13       | 184        | 37   | 98      | 0.01       | 0.0               | 3.250                               | 0.009 | 0    | 0          | 0            | 34        |
| PD.2147-A    | PL.16486    | A   | Closed             | 7.27Y     | 121.2        | 0.00            | 4.76                     | 25.77        | 0        | 184        | 37   | 98      | 0.00       | 0.0               | 3.250                               | 0.000 | 0    | 0          | 0            | 34        |
| PD.2147-B    | PD.2147-A   | A   | Closed             | 7.27Y     | 121.2        | 0.00            | 4.76                     | 25.77        | 0        | 184        | 37   | 98      | 0.00       | 0.0               | 3.250                               | 0.000 | 0    | 0          | 0            | 34        |
| PL.16487     | PD.2147-B   | A   | 4ACSR              | 7.27Y     | 121.1        | 0.12            | 4.88                     | 25.77        | 13       | 184        | 37   | 98      | 0.17       | 0.1               | 3.359                               | 0.109 | 0    | 0          | 0            | 34        |
| PL.41741     | PL.16487    | A   | 4ACSR              | 7.27Y     | 121.1        | 0.00            | 4.88                     | 1.34         | 1        | 10         | 2    | 98      | 0.00       | 0.0               | 3.366                               | 0.007 | 0    | 0          | 0            | 2         |
| PD.7625      | PL.41741    | A   | fuse6AMP           | 7.27Y     | 121.1        | 0.00            | 4.88                     | 1.34         | 23       | 10         | 2    | 98      | 0.00       | 0.0               | 3.366                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.41742     | PD.7625     | A   | 4ACSR              | 7.27Y     | 121.1        | 0.00            | 4.88                     | 1.34         | 1        | 10         | 2    | 98      | 0.00       | 0.0               | 3.441                               | 0.074 | 0    | 0          | 0            | 2         |
| 067946       | PL.41742    | A   | Consumer           | 7.27Y     | 121.1        | 0.00            | 4.88                     | 0.85         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.441                               | 0.000 | 6    | 1          | 1            | 1         |
| 067906       | PL.41742    | A   | Consumer           | 7.27Y     | 121.1        | 0.00            | 4.88                     | 0.49         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.441                               | 0.000 | 4    | 1          | 1            | 1         |
| 067934       | PL.16487    | A   | Consumer           | 7.27Y     | 121.1        | 0.00            | 4.88                     | 0.36         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 3.359                               | 0.000 | 3    | 1          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.10617     | PL.16487    | A   | 4ACSR              | 7.26Y     | 121.1        | 0.04            | 4.92                     | 24.06        | 12       | 171        | 34      | 98         | 0.06      | 0.0               | 3.401                               | 0.042 | 0    | 0          | 0            | 31 |
| PL.41743     | PL.10617    | A   | 4ACSR              | 7.26Y     | 121.1        | 0.00            | 4.92                     | 0.19         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.409                               | 0.008 | 0    | 0          | 0            | 1  |
| PD.7626      | PL.41743    | A   | fuse6AMP           | 7.26Y     | 121.1        | 0.00            | 4.92                     | 0.19         | 3        | 1          | 0       | 100        | 0.00      | 0.0               | 3.409                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.41744     | PD.7626     | A   | 4ACSR              | 7.26Y     | 121.1        | 0.00            | 4.92                     | 0.19         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.476                               | 0.067 | 0    | 0          | 0            | 1  |
| PL.4430      | PL.41744    | A   | 4ACSR              | 7.26Y     | 121.1        | 0.00            | 4.92                     | 0.19         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.537                               | 0.061 | 0    | 0          | 0            | 1  |
| 067905       | PL.4430     | A   | Consumer           | 7.26Y     | 121.1        | 0.00            | 4.92                     | 0.19         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.537                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.10618     | PL.10617    | A   | 4ACSR              | 7.26Y     | 121.0        | 0.06            | 4.99                     | 23.88        | 12       | 170        | 34      | 98         | 0.08      | 0.0               | 3.463                               | 0.062 | 0    | 0          | 0            | 30 |
| 067912       | PL.10618    | A   | Consumer           | 7.26Y     | 121.0        | 0.00            | 4.99                     | 0.40         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.463                               | 0.000 | 3    | 1          | 1            | 1  |
| PL.8006      | PL.10618    | A   | 4ACSR              | 7.25Y     | 120.9        | 0.14            | 5.13                     | 23.47        | 12       | 167        | 33      | 98         | 0.18      | 0.1               | 3.603                               | 0.140 | 0    | 0          | 0            | 29 |
| PL.41745     | PL.8006     | A   | 4ACSR              | 7.25Y     | 120.9        | 0.01            | 5.14                     | 21.21        | 11       | 151        | 30      | 98         | 0.01      | 0.0               | 3.615                               | 0.012 | 0    | 0          | 0            | 28 |
| PD.7627-A    | PL.41745    | A   | Closed             | 7.25Y     | 120.9        | 0.00            | 5.14                     | 21.21        | 0        | 151        | 30      | 98         | 0.00      | 0.0               | 3.615                               | 0.000 | 0    | 0          | 0            | 28 |
| PD.7627-B    | PD.7627-A   | A   | Closed             | 7.25Y     | 120.9        | 0.00            | 5.14                     | 21.21        | 0        | 151        | 30      | 98         | 0.00      | 0.0               | 3.615                               | 0.000 | 0    | 0          | 0            | 28 |
| PL.41746     | PD.7627-B   | A   | 4ACSR              | 7.25Y     | 120.8        | 0.07            | 5.21                     | 21.21        | 11       | 151        | 30      | 98         | 0.08      | 0.1               | 3.691                               | 0.075 | 0    | 0          | 0            | 28 |
| PL.10619     | PL.41746    | A   | 4ACSR              | 7.24Y     | 120.7        | 0.07            | 5.28                     | 21.15        | 11       | 150        | 30      | 98         | 0.08      | 0.1               | 3.764                               | 0.073 | 0    | 0          | 0            | 27 |
| PL.41747     | PL.10619    | A   | 4ACSR              | 7.24Y     | 120.7        | 0.01            | 5.29                     | 21.15        | 11       | 150        | 30      | 98         | 0.01      | 0.0               | 3.771                               | 0.007 | 0    | 0          | 0            | 27 |
| PL.44666     | PL.41747    | A   | 4ACSR              | 7.24Y     | 120.7        | 0.05            | 5.33                     | 21.15        | 11       | 150        | 30      | 98         | 0.05      | 0.0               | 3.821                               | 0.050 | 0    | 0          | 0            | 27 |
| PL.44667     | PL.44666    | A   | 4ACSR              | 7.24Y     | 120.7        | 0.00            | 5.34                     | 2.06         | 1        | 15         | 3       | 98         | 0.00      | 0.0               | 3.850                               | 0.029 | 0    | 0          | 0            | 2  |
| 067930       | PL.44667    | A   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.34                     | 1.12         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 3.850                               | 0.000 | 8    | 2          | 1            | 1  |
| 067956       | PL.44667    | A   | Consumer           | 7.24Y     | 120.7        | 0.00            | 5.34                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.850                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.4426      | PL.44667    | A   | 4ACSR              | 7.24Y     | 120.7        | 0.00            | 5.34                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.885                               | 0.035 | 0    | 0          | 0            | 0  |
| PL.44693     | PL.44666    | A   | 4ACSR              | 7.24Y     | 120.6        | 0.06            | 5.39                     | 19.09        | 10       | 136        | 27      | 98         | 0.06      | 0.0               | 3.888                               | 0.067 | 0    | 0          | 0            | 25 |
| PL.44692     | PL.44693    | A   | 2ACSR              | 7.24Y     | 120.6        | 0.00            | 5.39                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.938                               | 0.051 | 0    | 0          | 0            | 0  |
| 0679059      | PL.44692    | A   | Consumer           | 7.24Y     | 120.6        | 0.00            | 5.39                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.938                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.44694     | PL.44693    | A   | 4ACSR              | 7.23Y     | 120.4        | 0.18            | 5.57                     | 19.09        | 10       | 135        | 27      | 98         | 0.19      | 0.1               | 4.104                               | 0.217 | 0    | 0          | 0            | 25 |
| PL.44673     | PL.44694    | A   | 4ACSR              | 7.22Y     | 120.3        | 0.18            | 5.75                     | 17.80        | 9        | 126        | 25      | 98         | 0.17      | 0.1               | 4.331                               | 0.226 | 0    | 0          | 0            | 23 |
| PL.44676     | PL.44673    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.02            | 5.77                     | 14.14        | 7        | 100        | 20      | 98         | 0.02      | 0.0               | 4.365                               | 0.034 | 0    | 0          | 0            | 18 |
| PL.44679     | PL.44676    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.06            | 5.82                     | 12.70        | 7        | 90         | 18      | 98         | 0.04      | 0.0               | 4.465                               | 0.101 | 0    | 0          | 0            | 17 |
| PL.44688     | PL.44679    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.00            | 5.82                     | 0.65         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.472                               | 0.007 | 0    | 0          | 0            | 1  |
| PD.8591      | PL.44688    | A   | fuse6AMP           | 7.21Y     | 120.2        | 0.00            | 5.82                     | 0.65         | 11       | 5          | 1       | 98         | 0.00      | 0.0               | 4.472                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.44689     | PD.8591     | A   | 4ACSR              | 7.21Y     | 120.2        | 0.00            | 5.82                     | 0.65         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.518                               | 0.046 | 0    | 0          | 0            | 1  |
| 0689021      | PL.44689    | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.82                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.518                               | 0.000 | 0    | 0          | 0            | 0  |
| 068914       | PL.44689    | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.82                     | 0.65         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.518                               | 0.000 | 5    | 1          | 1            | 1  |
| PL.44684     | PL.44679    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.03            | 5.85                     | 12.05        | 6        | 85         | 17      | 98         | 0.02      | 0.0               | 4.514                               | 0.049 | 0    | 0          | 0            | 16 |
| PL.44685     | PL.44684    | A   | 4ACSR              | 7.21Y     | 120.1        | 0.03            | 5.87                     | 9.89         | 5        | 70         | 14      | 98         | 0.01      | 0.0               | 4.572                               | 0.058 | 0    | 0          | 0            | 15 |
| PL.44683     | PL.44685    | A   | 4ACSR              | 7.20Y     | 120.1        | 0.07            | 5.94                     | 8.62         | 4        | 61         | 12      | 98         | 0.03      | 0.1               | 4.749                               | 0.177 | 0    | 0          | 0            | 14 |
| PD.2150-A    | PL.44683    | A   | Closed             | 7.20Y     | 120.1        | 0.00            | 5.94                     | 8.62         | 0        | 61         | 12      | 98         | 0.00      | 0.0               | 4.749                               | 0.000 | 0    | 0          | 0            | 14 |
| PD.2150-B    | PD.2150-A   | A   | Closed             | 7.20Y     | 120.1        | 0.00            | 5.94                     | 8.62         | 0        | 61         | 12      | 98         | 0.00      | 0.0               | 4.749                               | 0.000 | 0    | 0          | 0            | 14 |
| PL.18833     | PD.2150-B   | A   | 4ACSR              | 7.20Y     | 120.1        | 0.00            | 5.94                     | 8.62         | 4        | 61         | 12      | 98         | 0.00      | 0.0               | 4.754                               | 0.005 | 0    | 0          | 0            | 14 |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 068905       | PL.18833    | A   | Consumer           | 7.20Y     | 120.1        | 0.00            | 5.94   | 0.50         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.754                               | 0.000 | 4    | 1          | 1            | 1  |
| 068909       | PL.18833    | A   | Consumer           | 7.20Y     | 120.1        | 0.00            | 5.94   | 0.61         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.754                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.7993      | PL.18833    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.02            | 5.96   | 7.51         | 4        | 53         | 11      | 98         | 0.01      | 0.0               | 4.808                               | 0.054 | 0    | 0          | 0            | 12 |
| PL.10623     | PL.7993     | A   | 4ACSR              | 7.20Y     | 120.0        | 0.02            | 5.98   | 7.50         | 4        | 53         | 10      | 98         | 0.01      | 0.0               | 4.873                               | 0.064 | 0    | 0          | 0            | 11 |
| PL.41737     | PL.10623    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.98   | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.881                               | 0.009 | 0    | 0          | 0            | 1  |
| PD.7623      | PL.41737    | A   | fuse6AMP           | 7.20Y     | 120.0        | 0.00            | 5.98   | 0.28         | 5        | 2          | 0       | 100        | 0.00      | 0.0               | 4.881                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.41738     | PD.7623     | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.98   | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.959                               | 0.077 | 0    | 0          | 0            | 1  |
| 068906       | PL.41738    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.98   | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.959                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.10624     | PL.10623    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.01            | 6.00   | 5.34         | 3        | 38         | 7       | 98         | 0.00      | 0.0               | 4.932                               | 0.059 | 0    | 0          | 0            | 9  |
| 068908       | PL.10624    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 6.00   | 0.91         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.932                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.10625     | PL.10624    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.01            | 6.01   | 4.43         | 2        | 31         | 6       | 98         | 0.00      | 0.0               | 4.996                               | 0.064 | 0    | 0          | 0            | 8  |
| PL.27701     | PL.10625    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 6.01   | 1.04         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 5.023                               | 0.027 | 0    | 0          | 0            | 2  |
| PD.3164      | PL.27701    | A   | fuse6AMP           | 7.20Y     | 120.0        | 0.00            | 6.01   | 1.04         | 18       | 7          | 1       | 99         | 0.00      | 0.0               | 5.023                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.27702     | PD.3164     | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 6.01   | 1.04         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 5.065                               | 0.041 | 0    | 0          | 0            | 2  |
| PL.4030      | PL.27702    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 6.02   | 0.77         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.189                               | 0.125 | 0    | 0          | 0            | 1  |
| 068915       | PL.4030     | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 6.02   | 0.77         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.189                               | 0.000 | 5    | 1          | 1            | 1  |
| 0689020      | PL.4030     | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 6.02   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.189                               | 0.000 | 0    | 0          | 0            | 0  |
| 068904       | PL.27702    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 6.01   | 0.27         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.065                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.41739     | PL.10625    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 6.01   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.004                               | 0.008 | 0    | 0          | 0            | 1  |
| PD.7624      | PL.41739    | A   | fuse6AMP           | 7.20Y     | 120.0        | 0.00            | 6.01   | 0.03         | 1        | 0          | 0       | 100        | 0.00      | 0.0               | 5.004                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.41740     | PD.7624     | A   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 6.01   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.085                               | 0.082 | 0    | 0          | 0            | 1  |
| 0689017      | PL.41740    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 6.01   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.085                               | 0.000 | 0    | 0          | 1            | 1  |
| 068901       | PL.41740    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 6.01   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.085                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.10626     | PL.10625    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.01            | 6.02   | 3.36         | 2        | 24         | 5       | 98         | 0.00      | 0.0               | 5.053                               | 0.057 | 0    | 0          | 0            | 5  |
| 068902       | PL.10626    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 6.02   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.053                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.43730     | PL.10626    | A   | 4ACSR              | 7.20Y     | 120.0        | 0.01            | 6.03   | 3.36         | 2        | 24         | 5       | 98         | 0.00      | 0.0               | 5.127                               | 0.074 | 0    | 0          | 0            | 4  |
| PD.8321      | PL.43730    | A   | fuse6AMP           | 7.20Y     | 120.0        | 0.00            | 6.03   | 3.36         | 57       | 24         | 5       | 98         | 0.00      | 0.0               | 5.127                               | 0.000 | 0    | 0          | 0            | 4  |
| PL.43731     | PD.8321     | A   | 4ACSR              | 7.20Y     | 119.9        | 0.04            | 6.07   | 3.36         | 2        | 24         | 5       | 98         | 0.01      | 0.0               | 5.417                               | 0.290 | 0    | 0          | 0            | 4  |
| PL.10628     | PL.43731    | A   | 4ACSR              | 7.19Y     | 119.9        | 0.01            | 6.08   | 2.36         | 1        | 17         | 3       | 98         | 0.00      | 0.0               | 5.554                               | 0.137 | 0    | 0          | 0            | 2  |
| PL.7990      | PL.10628    | A   | 4ACSR              | 7.19Y     | 119.9        | 0.00            | 6.08   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.614                               | 0.060 | 0    | 0          | 0            | 0  |
| 068911       | PL.7990     | A   | Consumer           | 7.19Y     | 119.9        | 0.00            | 6.08   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.614                               | 0.000 | 0    | 0          | 0            | 0  |
| 068910       | PL.7990     | A   | Consumer           | 7.19Y     | 119.9        | 0.00            | 6.08   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.614                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.4031      | PL.10628    | A   | 4ACSR              | 7.19Y     | 119.9        | 0.00            | 6.09   | 1.15         | 1        | 8          | 2       | 97         | 0.00      | 0.0               | 5.630                               | 0.077 | 0    | 0          | 0            | 1  |
| 069917       | PL.4031     | A   | Consumer           | 7.19Y     | 119.9        | 0.00            | 6.09   | 1.15         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 5.630                               | 0.000 | 8    | 2          | 1            | 1  |
| 069906       | PL.10628    | A   | Consumer           | 7.19Y     | 119.9        | 0.00            | 6.08   | 1.20         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 5.554                               | 0.000 | 8    | 2          | 1            | 1  |
| PL.4422      | PL.43731    | A   | 4ACSR              | 7.20Y     | 119.9        | 0.00            | 6.07   | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.435                               | 0.019 | 0    | 0          | 0            | 1  |
| PL.4038      | PL.4422     | A   | 4ACSR              | 7.20Y     | 119.9        | 0.00            | 6.07   | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.487                               | 0.052 | 0    | 0          | 0            | 1  |
| 069918       | PL.4038     | A   | Consumer           | 7.20Y     | 119.9        | 0.00            | 6.07   | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.487                               | 0.000 | 5    | 1          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |           |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 069902       | PL.43731    | A   | Consumer           | 7.20Y     | 119.9        | 0.00            | 6.07   | 0.33         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 5.417                               | 0.000 | 2    | 0          | 1            | 1 |
| 068903       | PL.10623    | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.98   | 1.88         | 0        | 13         | 3         | 97         | 0.00      | 0.0               | 4.873                               | 0.000 | 13   | 3          | 1            | 1 |
| 068907       | PL.7993     | A   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.96   | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.808                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.44690     | PL.44685    | A   | 4ACSR              | 7.21Y     | 120.1        | 0.00            | 5.87   | 1.27         | 1        | 9          | 2         | 98         | 0.00      | 0.0               | 4.579                               | 0.007 | 0    | 0          | 0            | 1 |
| PD.8592      | PL.44690    | A   | fuse6AMP           | 7.21Y     | 120.1        | 0.00            | 5.87   | 1.27         | 22       | 9          | 2         | 98         | 0.00      | 0.0               | 4.579                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.44691     | PD.8592     | A   | 4ACSR              | 7.21Y     | 120.1        | 0.00            | 5.88   | 1.27         | 1        | 9          | 2         | 98         | 0.00      | 0.0               | 4.624                               | 0.045 | 0    | 0          | 0            | 1 |
| 0689018      | PL.44691    | A   | Consumer           | 7.21Y     | 120.1        | 0.00            | 5.88   | 1.27         | 0        | 9          | 2         | 98         | 0.00      | 0.0               | 4.624                               | 0.000 | 9    | 2          | 1            | 1 |
| 068912       | PL.44684    | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.85   | 2.16         | 0        | 15         | 3         | 98         | 0.00      | 0.0               | 4.514                               | 0.000 | 15   | 3          | 1            | 1 |
| PL.44686     | PL.44676    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.00            | 5.77   | 1.45         | 1        | 10         | 2         | 98         | 0.00      | 0.0               | 4.371                               | 0.007 | 0    | 0          | 0            | 1 |
| PD.8590      | PL.44686    | A   | fuse6AMP           | 7.21Y     | 120.2        | 0.00            | 5.77   | 1.45         | 25       | 10         | 2         | 98         | 0.00      | 0.0               | 4.371                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.44687     | PD.8590     | A   | 4ACSR              | 7.21Y     | 120.2        | 0.00            | 5.77   | 1.45         | 1        | 10         | 2         | 98         | 0.00      | 0.0               | 4.395                               | 0.024 | 0    | 0          | 0            | 1 |
| 068916       | PL.44687    | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.77   | 1.45         | 0        | 10         | 2         | 98         | 0.00      | 0.0               | 4.395                               | 0.000 | 10   | 2          | 1            | 1 |
| PL.45356     | PL.44673    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.02            | 5.77   | 3.65         | 2        | 26         | 5         | 98         | 0.00      | 0.0               | 4.485                               | 0.154 | 0    | 0          | 0            | 5 |
| PL.45358     | PL.45356    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.01            | 5.78   | 2.28         | 1        | 16         | 3         | 98         | 0.00      | 0.0               | 4.552                               | 0.067 | 0    | 0          | 0            | 3 |
| PL.45568     | PL.45358    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.01            | 5.79   | 1.39         | 1        | 10         | 2         | 98         | 0.00      | 0.0               | 4.795                               | 0.244 | 0    | 0          | 0            | 2 |
| 0182032      | PL.45568    | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.79   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.795                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.45569     | PL.45568    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.00            | 5.80   | 1.39         | 1        | 10         | 2         | 98         | 0.00      | 0.0               | 4.848                               | 0.053 | 0    | 0          | 0            | 2 |
| 018225       | PL.45569    | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.80   | 1.31         | 0        | 9          | 2         | 98         | 0.00      | 0.0               | 4.848                               | 0.000 | 9    | 2          | 1            | 1 |
| 018226       | PL.45569    | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.80   | 0.08         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 4.848                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.16685     | PL.45569    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.00            | 5.80   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.645                               | 0.797 | 0    | 0          | 0            | 0 |
| PD.153-B     | PL.16685    | A   | Open               | 7.21Y     | 120.2        | 0.00            | 5.80   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.645                               | 0.000 | 0    | 0          | 0            | 0 |
| 067923       | PL.45358    | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.78   | 0.89         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 4.552                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.45360     | PL.45356    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.00            | 5.77   | 1.37         | 1        | 10         | 2         | 98         | 0.00      | 0.0               | 4.520                               | 0.035 | 0    | 0          | 0            | 2 |
| 067924       | PL.45360    | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.77   | 1.36         | 0        | 10         | 2         | 98         | 0.00      | 0.0               | 4.520                               | 0.000 | 10   | 2          | 1            | 1 |
| PL.45361     | PL.45360    | A   | 4ACSR              | 7.21Y     | 120.2        | 0.00            | 5.77   | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.581                               | 0.061 | 0    | 0          | 0            | 1 |
| 0689019      | PL.45361    | A   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.77   | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.581                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.44668     | PL.44694    | A   | 4ACSR              | 7.23Y     | 120.4        | 0.00            | 5.57   | 0.45         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 4.150                               | 0.046 | 0    | 0          | 0            | 1 |
| 067928       | PL.44668    | A   | Consumer           | 7.23Y     | 120.4        | 0.00            | 5.57   | 0.45         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 4.150                               | 0.000 | 3    | 1          | 1            | 1 |
| PL.44671     | PL.44694    | A   | 4ACSR              | 7.23Y     | 120.4        | 0.00            | 5.57   | 0.84         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 4.162                               | 0.057 | 0    | 0          | 0            | 1 |
| 067958       | PL.44671    | A   | Consumer           | 7.23Y     | 120.4        | 0.00            | 5.57   | 0.84         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 4.162                               | 0.000 | 6    | 1          | 1            | 1 |
| 067935       | PL.41746    | A   | Consumer           | 7.25Y     | 120.8        | 0.00            | 5.21   | 0.06         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.691                               | 0.000 | 0    | 0          | 1            | 1 |
| 067914       | PL.8006     | A   | Consumer           | 7.25Y     | 120.9        | 0.00            | 5.13   | 2.26         | 0        | 16         | 3         | 98         | 0.00      | 0.0               | 3.603                               | 0.000 | 16   | 3          | 1            | 1 |
| 067938       | PL.10615    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.68   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.188                               | 0.000 | 0    | 0          | 1            | 1 |
| 067908       | PL.41307    | A   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.53   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.070                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.10629     | PL.16483    | A   | 4ACSR              | 7.29Y     | 121.6        | 0.00            | 4.44   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.141                               | 0.144 | 0    | 0          | 0            | 0 |
| PL.4392      | PL.10629    | A   | 4ACSR              | 7.29Y     | 121.6        | 0.00            | 4.44   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.355                               | 0.214 | 0    | 0          | 0            | 0 |
| PL.41268     | PL.10629    | A   | 4ACSR              | 7.29Y     | 121.6        | 0.00            | 4.44   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.193                               | 0.052 | 0    | 0          | 0            | 0 |
| PD.2143-A    | PL.41268    | A   | Open               | 7.29Y     | 121.6        | 0.00            | 4.44   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.193                               | 0.000 | 0    | 0          | 0            | 0 |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.4021      | PL.16483    | A   | 4ACSR              | 7.29Y     | 121.6        | 0.00            | 4.44                     | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.172                               | 0.175 | 0    | 0          | 0            | 1         |
| 067915       | PL.4021     | A   | Consumer           | 7.29Y     | 121.6        | 0.00            | 4.44                     | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.172                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.41278     | PL.41277    | A   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.19                     | 0.51         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.812                               | 0.004 | 0    | 0          | 0            | 1         |
| PD.7389      | PL.41278    | A   | fuse6AMP           | 7.31Y     | 121.8        | 0.00            | 4.19                     | 0.51         | 9        | 4          | 1    | 97      | 0.00       | 0.0               | 2.812                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.41279     | PD.7389     | A   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.19                     | 0.51         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.877                               | 0.065 | 0    | 0          | 0            | 1         |
| 067948       | PL.41279    | A   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.19                     | 0.51         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.877                               | 0.000 | 4    | 1          | 1            | 1         |
| 067929       | PL.16489    | A   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.95                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.636                               | 0.000 | 0    | 0          | 1            | 1         |
| 067904       | PL.8005     | A   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.81                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.526                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.16495     | PL.11034    | A   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.120                               | 0.024 | 0    | 0          | 0            | 0         |
| PD.3161      | PL.16495    | A   | fuse6AMP           | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.120                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.16496     | PD.3161     | A   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.555                               | 0.435 | 0    | 0          | 0            | 0         |
| PL.8009      | PL.16496    | A   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.571                               | 0.017 | 0    | 0          | 0            | 0         |
| PL.4362      | PL.8009     | A   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.612                               | 0.041 | 0    | 0          | 0            | 0         |
| PL.4364      | PL.4362     | A   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.651                               | 0.039 | 0    | 0          | 0            | 0         |
| 066808       | PL.4364     | A   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.651                               | 0.000 | 0    | 0          | 0            | 0         |
| 067805       | PL.16496    | A   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.555                               | 0.000 | 0    | 0          | 0            | 0         |
| 067827       | PL.16098    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.78                     | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.681                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.16099     | PL.11028    | A   | 4ACSR              | 7.46Y     | 124.4        | 0.00            | 1.65                     | 9.76         | 5        | 71         | 14   | 98      | 0.00       | 0.0               | 1.163                               | 0.010 | 0    | 0          | 0            | 12        |
| C PD.3157    | PL.16099    | A   | fuse6AMP           | 7.46Y     | 124.4        | 0.00            | 1.65                     | 9.76         | 167      | 71         | 14   | 98      | 0.00       | 0.0               | 1.163                               | 0.000 | 0    | 0          | 0            | 12 C      |
| PL.16100     | PD.3157     | A   | 4ACSR              | 7.46Y     | 124.3        | 0.02            | 1.66                     | 9.76         | 5        | 71         | 14   | 98      | 0.01       | 0.0               | 1.202                               | 0.040 | 0    | 0          | 0            | 12        |
| PL.11031     | PL.16100    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.67                     | 2.07         | 1        | 15         | 3    | 98      | 0.00       | 0.0               | 1.268                               | 0.065 | 0    | 0          | 0            | 1         |
| PL.4419      | PL.11031    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.67                     | 2.07         | 1        | 15         | 3    | 98      | 0.00       | 0.0               | 1.302                               | 0.034 | 0    | 0          | 0            | 1         |
| 067708       | PL.4419     | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.67                     | 2.07         | 0        | 15         | 3    | 98      | 0.00       | 0.0               | 1.302                               | 0.000 | 15   | 3          | 1            | 1         |
| PL.11029     | PL.16100    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.02            | 1.68                     | 7.68         | 4        | 56         | 11   | 98      | 0.01       | 0.0               | 1.259                               | 0.057 | 0    | 0          | 0            | 11        |
| PL.4036      | PL.11029    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.69                     | 1.87         | 1        | 14         | 3    | 98      | 0.00       | 0.0               | 1.311                               | 0.052 | 0    | 0          | 0            | 2         |
| 0678034      | PL.4036     | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 1.61         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 1.311                               | 0.000 | 12   | 2          | 1            | 1         |
| 067831       | PL.4036     | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.311                               | 0.000 | 0    | 0          | 0            | 0         |
| 067822       | PL.4036     | A   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.69                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.311                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.11030     | PL.11029    | A   | 4ACSR              | 7.46Y     | 124.3        | 0.04            | 1.73                     | 5.81         | 3        | 43         | 8    | 98      | 0.01       | 0.0               | 1.427                               | 0.167 | 0    | 0          | 0            | 9         |
| PL.3902      | PL.11030    | A   | 4ACSR              | 7.45Y     | 124.2        | 0.07            | 1.80                     | 5.81         | 3        | 43         | 8    | 98      | 0.02       | 0.1               | 1.709                               | 0.282 | 0    | 0          | 0            | 9         |
| PL.24381     | PL.3902     | A   | 4ACSR              | 7.45Y     | 124.2        | 0.01            | 1.81                     | 1.42         | 1        | 10         | 2    | 98      | 0.00       | 0.0               | 1.927                               | 0.219 | 0    | 0          | 0            | 2         |
| 067705       | PL.24381    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.81                     | 0.81         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.927                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.33883     | PL.24381    | A   | 1/0EPRJCN          | 7.45Y     | 124.2        | 0.00            | 1.81                     | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.958                               | 0.031 | 0    | 0          | 0            | 1         |
| 0677016      | PL.33883    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.81                     | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.958                               | 0.000 | 4    | 1          | 1            | 1         |
| PL.44176     | PL.3902     | A   | 4ACSR              | 7.45Y     | 124.2        | 0.01            | 1.81                     | 2.09         | 1        | 15         | 3    | 98      | 0.00       | 0.0               | 1.853                               | 0.144 | 0    | 0          | 0            | 4         |
| PL.44179     | PL.44176    | A   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.82                     | 2.09         | 1        | 15         | 3    | 98      | 0.00       | 0.0               | 1.895                               | 0.042 | 0    | 0          | 0            | 4         |
| PL.44180     | PL.44179    | A   | 4ACSR              | 7.45Y     | 124.2        | 0.01            | 1.82                     | 2.09         | 1        | 15         | 3    | 98      | 0.00       | 0.0               | 1.979                               | 0.084 | 0    | 0          | 0            | 4         |
| 067711       | PL.44180    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.82                     | 1.10         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 1.979                               | 0.000 | 8    | 2          | 1            | 1         |



Unbalanced Voltage Drop Report
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 067713, 067706, etc.

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW |            |              | KVAR |
| PL.10903     | PL.10902    | C   | 4ACSR              | 7.51Y     | 125.1        | 0.02            | 0.88                     | 10.01        | 5        | 74         | 14   | 98      | 0.01       | 0.0               | 1.722          | 0.047             | 0  | 0          | 0            | 17   |
| PL.4014      | PL.10903    | C   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.53         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.781          | 0.059             | 0  | 0          | 0            | 2    |
| 068838       | PL.4014     | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.53         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.781          | 0.000             | 4  | 1          | 1            | 1    |
| 068834       | PL.4014     | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.781          | 0.000             | 0  | 0          | 1            | 1    |
| PL.10904     | PL.10903    | C   | 4ACSR              | 7.51Y     | 125.1        | 0.02            | 0.90                     | 4.73         | 2        | 35         | 7    | 98      | 0.00       | 0.0               | 1.809          | 0.087             | 0  | 0          | 0            | 9    |
| PL.10905     | PL.10904    | C   | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.92                     | 4.17         | 2        | 31         | 6    | 98      | 0.00       | 0.0               | 1.889          | 0.081             | 0  | 0          | 0            | 8    |
| PL.7996      | PL.10905    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.01            | 0.93                     | 2.85         | 1        | 21         | 4    | 98      | 0.00       | 0.0               | 1.969          | 0.080             | 0  | 0          | 0            | 6    |
| PL.35022     | PL.7996     | C   | 4ACSR              | 7.50Y     | 125.1        | 0.01            | 0.93                     | 2.73         | 1        | 20         | 4    | 98      | 0.00       | 0.0               | 2.029          | 0.060             | 0  | 0          | 0            | 5    |
| PD.5181      | PL.35022    | C   | fuse6AMP           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 2.73         | 47       | 20         | 4    | 98      | 0.00       | 0.0               | 2.029          | 0.000             | 0  | 0          | 0            | 5    |
| PL.35023     | PD.5181     | C   | 4ACSR              | 7.50Y     | 125.1        | 0.01            | 0.94                     | 2.73         | 1        | 20         | 4    | 98      | 0.00       | 0.0               | 2.110          | 0.081             | 0  | 0          | 0            | 5    |
| PL.4018      | PL.35023    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.94                     | 1.05         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 2.171          | 0.061             | 0  | 0          | 0            | 2    |
| 067823       | PL.4018     | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 1.00         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.171          | 0.000             | 7  | 1          | 1            | 1    |
| 067825       | PL.4018     | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 0.05         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.171          | 0.000             | 0  | 0          | 1            | 1    |
| PL.8003      | PL.35023    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.95                     | 1.24         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 2.186          | 0.076             | 0  | 0          | 0            | 2    |
| 067810       | PL.8003     | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.95                     | 0.96         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.186          | 0.000             | 7  | 1          | 1            | 1    |
| PL.33884     | PL.8003     | C   | 2ACSR              | 7.50Y     | 125.1        | 0.00            | 0.95                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.258          | 0.072             | 0  | 0          | 0            | 1    |
| 0678033      | PL.33884    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.95                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.258          | 0.000             | 2  | 0          | 1            | 1    |
| 067807       | PL.35023    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 0.44         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 2.110          | 0.000             | 3  | 1          | 1            | 1    |
| 068821       | PL.7996     | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.13         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.969          | 0.000             | 1  | 0          | 1            | 1    |
| 068833       | PL.10905    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.92                     | 0.11         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.889          | 0.000             | 1  | 0          | 1            | 1    |
| 068807       | PL.10905    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.92                     | 1.20         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 1.889          | 0.000             | 9  | 2          | 1            | 1    |
| PL.4015      | PL.10904    | C   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.90                     | 0.56         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.859          | 0.051             | 0  | 0          | 0            | 1    |
| 068808       | PL.4015     | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.90                     | 0.56         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.859          | 0.000             | 4  | 1          | 1            | 1    |
| PL.10906     | PL.10903    | C   | 4ACSR              | 7.51Y     | 125.1        | 0.03            | 0.91                     | 4.74         | 2        | 35         | 6    | 99      | 0.01       | 0.0               | 1.865          | 0.143             | 0  | 0          | 0            | 5    |
| PL.10907     | PL.10906    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.02            | 0.93                     | 4.15         | 2        | 31         | 5    | 99      | 0.00       | 0.0               | 1.951          | 0.086             | 0  | 0          | 0            | 4    |
| PL.4024      | PL.10907    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.01            | 0.94                     | 3.46         | 2        | 26         | 4    | 99      | 0.00       | 0.0               | 2.011          | 0.061             | 0  | 0          | 0            | 3    |
| PL.35025     | PL.4024     | C   | 2ACSR              | 7.50Y     | 125.1        | 0.00            | 0.94                     | 1.25         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 2.130          | 0.119             | 0  | 0          | 0            | 1    |
| PD.5182      | PL.35025    | C   | fuse6AMP           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 1.25         | 21       | 9          | 1    | 99      | 0.00       | 0.0               | 2.130          | 0.000             | 0  | 0          | 0            | 1    |
| PL.35026     | PD.5182     | C   | 1/0EPRJCN          | 7.50Y     | 125.1        | 0.00            | 0.94                     | 1.25         | 1        | 9          | 1    | 99      | 0.00       | 0.0               | 2.263          | 0.133             | 0  | 0          | 0            | 1    |
| 0688050      | PL.35026    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 1.27         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 2.263          | 0.000             | 9  | 2          | 1            | 1    |
| 068842       | PL.4024     | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 1.22         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 2.011          | 0.000             | 9  | 2          | 1            | 1    |
| 068844       | PL.4024     | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 0.99         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.011          | 0.000             | 7  | 1          | 1            | 1    |
| PL.10908     | PL.10907    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.69         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.035          | 0.085             | 0  | 0          | 0            | 1    |
| 0688053      | PL.10908    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.035          | 0.000             | 0  | 0          | 0            | 0    |
| 068817       | PL.10908    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.69         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.035          | 0.000             | 5  | 1          | 1            | 1    |
| PL.4012      | PL.10906    | C   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.91                     | 0.59         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.933          | 0.068             | 0  | 0          | 0            | 1    |
| 068836       | PL.4012     | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.91                     | 0.59         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 1.933          | 0.000             | 4  | 1          | 1            | 1    |
| 068826       | PL.10903    | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.88                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.722          | 0.000             | 0  | 0          | 1            | 1    |

Unbalanced Voltage Drop Report
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements and a section for Feeder No. 2 (TRAPP2).

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | Length<br>(mi) | Element |     | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|----------------|---------|-----|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | KW    | KVAR  |                   |                |         |     |            |              |
| PL.363       | PL.25149    | A   | 336ACSR            | 7.54Y     | 125.7        | 0.19            | 0.32                     | 88.51        | 12       | 663        | 87   | 99      | 1.43       | 0.1       | 0.448 | 0.283 | 0                 | 0              | 0       | 116 |            |              |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.10            | 0.22                     | 80.47        | 11       | 602        | 82   | 99      |            |           |       |       | 0                 | 0              | 0       | 106 |            |              |
|              |             | C   |                    | 7.55Y     | 125.9        | 0.09            | 0.10                     | 63.00        | 9        | 474        | 47   | 100     |            |           |       |       | 0                 | 0              | 0       | 79  |            |              |
| PL.27541     | PL.363      | A   | 336ACSR            | 7.54Y     | 125.7        | -0.00           | 0.32                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.457 | 0.009 | 0                 | 0              | 0       | 0   |            |              |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.00            | 0.22                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0   |            |              |
|              |             | C   |                    | 7.55Y     | 125.9        | 0.00            | 0.10                     | 4.47         | 1        | 32         | 11   | 95      |            |           |       |       | 0                 | 0              | 0       | 5   |            |              |
| PD.3154      | PL.27541    | A   | fuse6AMP           | 7.54Y     | 125.7        | 0.00            | 0.32                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.457 | 0.000 | 0                 | 0              | 0       | 0   |            |              |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.00            | 0.22                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0   |            |              |
|              |             | C   |                    | 7.55Y     | 125.9        | 0.00            | 0.10                     | 4.47         | 76       | 32         | 11   | 95      |            |           |       |       | 0                 | 0              | 0       | 5   |            |              |
| PL.17888     | PD.3154     | A   | 336ACSR            | 7.54Y     | 125.7        | -0.00           | 0.32                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.532 | 0.076 | 0                 | 0              | 0       | 0   |            |              |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.00            | 0.22                     | 0.00         | 0        | 0          | 0    | 100     |            |           |       |       | 0                 | 0              | 0       | 0   |            |              |
|              |             | C   |                    | 7.55Y     | 125.9        | 0.00            | 0.11                     | 4.47         | 1        | 32         | 11   | 95      |            |           |       |       | 0                 | 0              | 0       | 5   |            |              |
| PL.43960     | PL.17888    | C   | 4ACSR              | 7.55Y     | 125.9        | 0.00            | 0.11                     | 1.66         | 1        | 12         | 2    | 99      | 0.00       | 0.0       | 0.539 | 0.007 | 0                 | 0              | 0       | 3   |            |              |
| PD.3129      | PL.43960    | C   | fuse6AMP           | 7.55Y     | 125.9        | 0.00            | 0.11                     | 1.66         | 28       | 12         | 2    | 99      | 0.00       | 0.0       | 0.539 | 0.000 | 0                 | 0              | 0       | 3   |            |              |
| PL.43986     | PD.3129     | C   | 4ACSR              | 7.55Y     | 125.9        | 0.00            | 0.11                     | 1.66         | 1        | 12         | 2    | 99      | 0.00       | 0.0       | 0.556 | 0.017 | 0                 | 0              | 0       | 3   |            |              |
| PL.16978     | PL.43986    | C   | 4ACSR              | 7.55Y     | 125.9        | 0.00            | 0.11                     | 1.66         | 1        | 12         | 2    | 99      | 0.00       | 0.0       | 0.598 | 0.043 | 0                 | 0              | 0       | 3   |            |              |
| 068721       | PL.16978    | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.11                     | 1.03         | 0        | 8          | 2    | 97      | 0.00       | 0.0       | 0.598 | 0.000 | 8                 | 2              | 1       | 1   |            |              |
| PL.25147     | PL.16978    | C   | 4ACSR              | 7.55Y     | 125.9        | 0.00            | 0.11                     | 0.64         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 0.633 | 0.034 | 0                 | 0              | 0       | 2   |            |              |
| 068732       | PL.25147    | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.11                     | 0.18         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 0.633 | 0.000 | 1                 | 0              | 1       | 1   |            |              |
| PL.25148     | PL.25147    | C   | 4ACSR              | 7.55Y     | 125.9        | 0.00            | 0.11                     | 0.46         | 0        | 3          | 1    | 95      | 0.00       | 0.0       | 0.673 | 0.041 | 0                 | 0              | 0       | 1   |            |              |
| PL.3940      | PL.25148    | C   | 4ACSR              | 7.55Y     | 125.9        | 0.00            | 0.12                     | 0.46         | 0        | 3          | 1    | 95      | 0.00       | 0.0       | 0.702 | 0.029 | 0                 | 0              | 0       | 1   |            |              |
| 068746       | PL.3940     | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.12                     | 0.46         | 0        | 3          | 1    | 95      | 0.00       | 0.0       | 0.702 | 0.000 | 3                 | 1              | 1       | 1   |            |              |
| PL.3941      | PL.25148    | C   | 4ACSR              | 7.55Y     | 125.9        | 0.00            | 0.11                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.708 | 0.035 | 0                 | 0              | 0       | 0   |            |              |
| 068726       | PL.3941     | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.11                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.708 | 0.000 | 0                 | 0              | 0       | 0   |            |              |
| 068703       | PL.17888    | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.11                     | 2.42         | 0        | 16         | 8    | 89      | 0.00       | 0.0       | 0.532 | 0.000 | 16                | 8              | 1       | 1   |            |              |
| 068707       | PL.17888    | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.11                     | 0.42         | 0        | 3          | 1    | 95      | 0.00       | 0.0       | 0.532 | 0.000 | 3                 | 1              | 1       | 1   |            |              |
| PL.40297     | PL.363      | A   | 1/0ACSR            | 7.54Y     | 125.6        | 0.09            | 0.41                     | 88.51        | 27       | 662        | 85   | 99      | 0.81       | 0.0       | 0.501 | 0.053 | 0                 | 0              | 0       | 116 |            |              |
|              |             | B   |                    | 7.54Y     | 125.7        | 0.06            | 0.28                     | 80.47        | 24       | 602        | 81   | 99      |            |           |       |       | 0                 | 0              | 0       | 106 |            |              |
|              |             | C   |                    | 7.55Y     | 125.9        | 0.04            | 0.15                     | 58.67        | 18       | 442        | 35   | 100     |            |           |       |       | 0                 | 0              | 0       | 74  |            |              |
| PL.16979     | PL.40297    | A   | 1/0ACSR            | 7.53Y     | 125.6        | 0.01            | 0.42                     | 88.14        | 27       | 659        | 84   | 99      | 0.10       | 0.0       | 0.507 | 0.006 | 0                 | 0              | 0       | 112 |            |              |
|              |             | B   |                    | 7.54Y     | 125.7        | 0.01            | 0.29                     | 80.47        | 24       | 602        | 80   | 99      |            |           |       |       | 0                 | 0              | 0       | 106 |            |              |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.01            | 0.15                     | 58.67        | 18       | 442        | 35   | 100     |            |           |       |       | 0                 | 0              | 0       | 74  |            |              |
| PL.43502     | PL.16979    | A   | 1/0ACSR            | 7.53Y     | 125.5        | 0.05            | 0.46                     | 89.35        | 27       | 659        | 139  | 98      | 0.43       | 0.0       | 0.534 | 0.027 | 0                 | 0              | 0       | 112 |            |              |
|              |             | B   |                    | 7.54Y     | 125.7        | 0.03            | 0.32                     | 81.75        | 25       | 602        | 135  | 98      |            |           |       |       | 0                 | 0              | 0       | 106 |            |              |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.02            | 0.18                     | 59.68        | 18       | 442        | 90   | 98      |            |           |       |       | 0                 | 0              | 0       | 74  |            |              |
| PD.8278-A    | PL.43502    | A   | Closed             | 7.53Y     | 125.5        | 0.00            | 0.46                     | 89.35        | 0        | 659        | 138  | 98      | 0.00       | 0.0       | 0.534 | 0.000 | 0                 | 0              | 0       | 112 |            |              |
|              |             | B   |                    | 7.54Y     | 125.7        | 0.00            | 0.32                     | 81.75        | 0        | 602        | 135  | 98      |            |           |       |       | 0                 | 0              | 0       | 106 |            |              |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.18                     | 59.68        | 0        | 442        | 90   | 98      |            |           |       |       | 0                 | 0              | 0       | 74  |            |              |
| PD.8278-B    | PD.8278-A   | A   | Closed             | 7.53Y     | 125.5        | 0.00            | 0.46                     | 89.35        | 0        | 659        | 138  | 98      | 0.00       | 0.0       | 0.534 | 0.000 | 0                 | 0              | 0       | 112 |            |              |
|              |             | B   |                    | 7.54Y     | 125.7        | 0.00            | 0.32                     | 81.75        | 0        | 602        | 135  | 98      |            |           |       |       | 0                 | 0              | 0       | 106 |            |              |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.18                     | 59.68        | 0        | 442        | 90   | 98      |            |           |       |       | 0                 | 0              | 0       | 74  |            |              |
| PL.43503     | PD.8278-B   | A   | 1/0ACSR            | 7.53Y     | 125.5        | 0.05            | 0.51                     | 89.35        | 27       | 659        | 138  | 98      | 0.44       | 0.0       | 0.562 | 0.028 | 0                 | 0              | 0       | 112 |            |              |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.03            | 0.36                     | 81.75        | 25       | 602        | 135  | 98      |            |           |       |       | 0                 | 0              | 0       | 106 |            |              |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.03            | 0.20                     | 59.68        | 18       | 442        | 90   | 98      |            |           |       |       | 0                 | 0              | 0       | 74  |            |              |
| PL.11000     | PL.43503    | A   | 1/0ACSR            | 7.52Y     | 125.4        | 0.07            | 0.59                     | 89.35        | 27       | 658        | 138  | 98      | 0.64       | 0.0       | 0.603 | 0.041 | 0                 | 0              | 0       | 112 |            |              |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.05            | 0.41                     | 80.66        | 24       | 594        | 131  | 98      |            |           |       |       | 0                 | 0              | 0       | 105 |            |              |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.04            | 0.24                     | 59.68        | 18       | 441        | 90   | 98      |            |           |       |       | 0                 | 0              | 0       | 74  |            |              |
| 068729       | PL.11000    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.41                     | 0.07         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 0.603 | 0.000 | 0                 | 0              | 1       | 1   |            |              |
| 068743       | PL.11000    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.41                     | 0.43         | 0        | 3          | 1    | 95      | 0.00       | 0.0       | 0.603 | 0.000 | 3                 | 1              | 1       | 1   |            |              |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |      | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|----------------|-------------------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                | KW                | KVAR |            |              |     |
| 068719       | PL.11000    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.41                     | 0.38         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 0.603          | 0.000             | 3    | 1          | 1            | 1   |
| PL.11001     | PL.11000    | A   | 1/0ACSR            | 7.52Y     | 125.3        | 0.09            | 0.67                     | 89.35        | 27       | 658        | 138     | 98         | 0.77      | 0.0               | 0.652          | 0.049             | 0    | 0          | 0            | 112 |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.06            | 0.47                     | 79.79        | 24       | 587        | 129     | 98         |           |                   |                |                   | 0    | 0          | 0            | 102 |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.05            | 0.29                     | 59.68        | 18       | 441        | 90      | 98         |           |                   |                |                   | 0    | 0          | 0            | 74  |
| PL.3938      | PL.11001    | C   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.29                     | 0.86         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.703          | 0.051             | 0    | 0          | 0            | 1   |
| 068710       | PL.3938     | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.29                     | 0.86         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.703          | 0.000             | 6    | 1          | 1            | 1   |
| PL.16975     | PL.11001    | C   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.29                     | 4.80         | 2        | 35         | 7       | 98         | 0.00      | 0.0               | 0.664          | 0.012             | 0    | 0          | 0            | 2   |
| C PD.3143    | PL.16975    | C   | fuse6AMP           | 7.54Y     | 125.7        | 0.00            | 0.29                     | 4.80         | 82       | 35         | 7       | 98         | 0.00      | 0.0               | 0.664          | 0.000             | 0    | 0          | 0            | 2 C |
| PL.16976     | PD.3143     | C   | 4ACSR              | 7.54Y     | 125.7        | 0.01            | 0.30                     | 4.80         | 2        | 35         | 7       | 98         | 0.00      | 0.0               | 0.708          | 0.043             | 0    | 0          | 0            | 2   |
| PL.3939      | PL.16976    | C   | 4ACSR              | 7.54Y     | 125.7        | 0.01            | 0.30                     | 1.75         | 1        | 13         | 3       | 97         | 0.00      | 0.0               | 0.779          | 0.071             | 0    | 0          | 0            | 1   |
| 068730       | PL.3939     | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.30                     | 1.75         | 0        | 13         | 3       | 97         | 0.00      | 0.0               | 0.779          | 0.000             | 13   | 3          | 1            | 1   |
| 068711       | PL.16976    | C   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.30                     | 3.04         | 0        | 23         | 4       | 99         | 0.00      | 0.0               | 0.708          | 0.000             | 23   | 4          | 1            | 1   |
| PL.16973     | PL.11001    | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.67                     | 1.38         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 0.663          | 0.011             | 0    | 0          | 0            | 1   |
| PD.3131      | PL.16973    | A   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.67                     | 1.38         | 23       | 10         | 2       | 98         | 0.00      | 0.0               | 0.663          | 0.000             | 0    | 0          | 0            | 1   |
| PL.16974     | PD.3131     | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.68                     | 1.38         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 0.716          | 0.053             | 0    | 0          | 0            | 1   |
| 069746       | PL.16974    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.716          | 0.000             | 0    | 0          | 0            | 0   |
| PL.3937      | PL.16974    | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.68                     | 1.38         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 0.766          | 0.050             | 0    | 0          | 0            | 1   |
| 069747       | PL.3937     | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.68                     | 1.38         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 0.766          | 0.000             | 10   | 2          | 1            | 1   |
| 069754       | PL.3937     | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.68                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.766          | 0.000             | 0    | 0          | 0            | 0   |
| PL.11002     | PL.11001    | A   | 1/0ACSR            | 7.51Y     | 125.1        | 0.22            | 0.89                     | 87.98        | 27       | 648        | 135     | 98         | 1.81      | 0.1               | 0.774          | 0.122             | 0    | 0          | 0            | 111 |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.14            | 0.61                     | 79.79        | 24       | 587        | 128     | 98         |           |                   |                |                   | 0    | 0          | 0            | 102 |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.10            | 0.38                     | 54.02        | 16       | 399        | 81      | 98         |           |                   |                |                   | 0    | 0          | 0            | 71  |
| 069711       | PL.11002    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.38                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.774          | 0.000             | 0    | 0          | 0            | 0   |
| PL.11003     | PL.11002    | A   | 1/0ACSR            | 7.49Y     | 124.9        | 0.25            | 1.14                     | 87.98        | 27       | 647        | 135     | 98         | 2.13      | 0.1               | 0.918          | 0.144             | 0    | 0          | 0            | 111 |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.17            | 0.78                     | 79.79        | 24       | 587        | 128     | 98         |           |                   |                |                   | 0    | 0          | 0            | 102 |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.11            | 0.50                     | 54.02        | 16       | 399        | 81      | 98         |           |                   |                |                   | 0    | 0          | 0            | 71  |
| PL.11004     | PL.11003    | A   | 1/0ACSR            | 7.48Y     | 124.7        | 0.19            | 1.33                     | 87.17        | 26       | 639        | 132     | 98         | 1.54      | 0.1               | 1.026          | 0.108             | 0    | 0          | 0            | 109 |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.12            | 0.91                     | 78.85        | 24       | 579        | 125     | 98         |           |                   |                |                   | 0    | 0          | 0            | 101 |
|              |             | C   |                    | 7.53Y     | 125.4        | 0.08            | 0.58                     | 50.37        | 15       | 372        | 76      | 98         |           |                   |                |                   | 0    | 0          | 0            | 68  |
| PL.17237     | PL.11004    | C   | 4ACSR              | 7.53Y     | 125.4        | 0.00            | 0.58                     | 2.84         | 1        | 21         | 4       | 98         | 0.00      | 0.0               | 1.036          | 0.010             | 0    | 0          | 0            | 2   |
| PD.3145      | PL.17237    | C   | fuse6AMP           | 7.53Y     | 125.4        | 0.00            | 0.58                     | 2.84         | 48       | 21         | 4       | 98         | 0.00      | 0.0               | 1.036          | 0.000             | 0    | 0          | 0            | 2   |
| PL.17238     | PD.3145     | C   | 4ACSR              | 7.53Y     | 125.4        | 0.00            | 0.58                     | 2.84         | 1        | 21         | 4       | 98         | 0.00      | 0.0               | 1.070          | 0.033             | 0    | 0          | 0            | 2   |
| 069713       | PL.17238    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.58                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.070          | 0.000             | 0    | 0          | 0            | 0   |
| 069745       | PL.17238    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.58                     | 1.63         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.070          | 0.000             | 12   | 2          | 1            | 1   |
| 069757       | PL.17238    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.58                     | 1.20         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 1.070          | 0.000             | 9    | 2          | 1            | 1   |
| 069759       | PL.11004    | A   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.33                     | 1.30         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 1.026          | 0.000             | 10   | 2          | 1            | 1   |
| PL.24771     | PL.11004    | A   | 1/0ACSR            | 7.48Y     | 124.6        | 0.08            | 1.42                     | 85.86        | 26       | 629        | 130     | 98         | 0.64      | 0.0               | 1.072          | 0.046             | 0    | 0          | 0            | 108 |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.05            | 0.96                     | 78.85        | 24       | 579        | 125     | 98         |           |                   |                |                   | 0    | 0          | 0            | 101 |
|              |             | C   |                    | 7.52Y     | 125.4        | 0.03            | 0.61                     | 47.53        | 14       | 351        | 71      | 98         |           |                   |                |                   | 0    | 0          | 0            | 66  |
| PL.25195     | PL.24771    | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.08            | 1.50                     | 84.07        | 25       | 615        | 127     | 98         | 0.65      | 0.0               | 1.120          | 0.048             | 0    | 0          | 0            | 106 |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.06            | 1.01                     | 78.85        | 24       | 578        | 124     | 98         |           |                   |                |                   | 0    | 0          | 0            | 101 |
|              |             | C   |                    | 7.52Y     | 125.4        | 0.03            | 0.64                     | 47.53        | 14       | 350        | 71      | 98         |           |                   |                |                   | 0    | 0          | 0            | 66  |
| PL.30835     | PL.25195    | A   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.50                     | 17.00        | 9        | 125        | 25      | 98         | 0.00      | 0.0               | 1.125          | 0.005             | 0    | 0          | 0            | 21  |
| PD.3604      | PL.30835    | A   | 50L                | 7.47Y     | 124.5        | 0.00            | 1.50                     | 17.00        | 34       | 125        | 25      | 98         | 0.00      | 0.0               | 1.125          | 0.000             | 0    | 0          | 0            | 21  |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.30836     | PD.3604     | A   | 4ACSR              | 7.45Y     | 124.2        | 0.34            | 1.84                     | 17.00        | 9        | 125        | 25   | 98      | 0.31       | 0.3               | 1.578                               | 0.453 | 0    | 0          | 0            | 21        |
| PL.7984      | PL.30836    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.05            | 1.89                     | 17.00        | 9        | 124        | 25   | 98      | 0.04       | 0.0               | 1.641                               | 0.063 | 0    | 0          | 0            | 21        |
| PL.17641     | PL.7984     | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.89                     | 1.79         | 1        | 13         | 3    | 97      | 0.00       | 0.0               | 1.659                               | 0.018 | 0    | 0          | 0            | 2         |
| PD.583       | PL.17641    | A   | fuse6AMP           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 1.79         | 30       | 13         | 3    | 97      | 0.00       | 0.0               | 1.659                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.17642     | PD.583      | A   | 4ACSR              | 7.45Y     | 124.1        | 0.01            | 1.90                     | 1.79         | 1        | 13         | 3    | 97      | 0.00       | 0.0               | 1.760                               | 0.101 | 0    | 0          | 0            | 2         |
| 120709       | PL.17642    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 1.55         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 1.760                               | 0.000 | 11   | 2          | 1            | 1         |
| 120708       | PL.17642    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.760                               | 0.000 | 0    | 0          | 0            | 0         |
| 120703       | PL.17642    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.90                     | 0.24         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.760                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.5521      | PL.7984     | A   | 4ACSR              | 7.44Y     | 124.1        | 0.06            | 1.95                     | 15.22        | 8        | 111        | 22   | 98      | 0.05       | 0.0               | 1.733                               | 0.092 | 0    | 0          | 0            | 19        |
| PL.5522      | PL.5521     | A   | 4ACSR              | 7.44Y     | 124.0        | 0.02            | 1.97                     | 15.22        | 8        | 111        | 22   | 98      | 0.01       | 0.0               | 1.759                               | 0.026 | 0    | 0          | 0            | 19        |
| PL.40733     | PL.5522     | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.97                     | 9.05         | 5        | 66         | 13   | 98      | 0.00       | 0.0               | 1.770                               | 0.012 | 0    | 0          | 0            | 10        |
| PD.7168-A    | PL.40733    | A   | Closed             | 7.44Y     | 124.0        | 0.00            | 1.97                     | 9.05         | 0        | 66         | 13   | 98      | 0.00       | 0.0               | 1.770                               | 0.000 | 0    | 0          | 0            | 10        |
| PD.7168-B    | PD.7168-A   | A   | Closed             | 7.44Y     | 124.0        | 0.00            | 1.97                     | 9.05         | 0        | 66         | 13   | 98      | 0.00       | 0.0               | 1.770                               | 0.000 | 0    | 0          | 0            | 10        |
| PL.40734     | PD.7168-B   | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.97                     | 9.05         | 5        | 66         | 13   | 98      | 0.00       | 0.0               | 1.781                               | 0.010 | 0    | 0          | 0            | 10        |
| PL.40732     | PL.40734    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.98                     | 9.05         | 5        | 66         | 13   | 98      | 0.00       | 0.0               | 1.789                               | 0.009 | 0    | 0          | 0            | 10        |
| PL.40729     | PL.40732    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.98                     | 6.89         | 4        | 50         | 10   | 98      | 0.00       | 0.0               | 1.798                               | 0.009 | 0    | 0          | 0            | 7         |
| PL.40730     | PL.40729    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.98                     | 6.89         | 4        | 50         | 10   | 98      | 0.00       | 0.0               | 1.811                               | 0.013 | 0    | 0          | 0            | 7         |
| PL.5525      | PL.40730    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 6.89         | 4        | 50         | 10   | 98      | 0.00       | 0.0               | 1.818                               | 0.007 | 0    | 0          | 0            | 7         |
| PL.25189     | PL.5525     | A   | 4ACSR              | 7.44Y     | 124.0        | 0.02            | 2.01                     | 6.89         | 4        | 50         | 10   | 98      | 0.01       | 0.0               | 1.898                               | 0.080 | 0    | 0          | 0            | 7         |
| 069734       | PL.25189    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.898                               | 0.000 | 0    | 0          | 0            | 0         |
| 069720       | PL.25189    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.898                               | 0.000 | 0    | 0          | 0            | 0         |
| 069736       | PL.25189    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.898                               | 0.000 | 0    | 0          | 0            | 0         |
| 069710       | PL.25189    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.41         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.898                               | 0.000 | 3    | 1          | 1            | 1         |
| 069726       | PL.25189    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.01                     | 1.34         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 1.898                               | 0.000 | 10   | 2          | 1            | 1         |
| 069753       | PL.25189    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.898                               | 0.000 | 0    | 0          | 1            | 1         |
| 069730       | PL.25189    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.01                     | 1.49         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 1.898                               | 0.000 | 11   | 2          | 1            | 1         |
| PL.40725     | PL.25189    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.907                               | 0.009 | 0    | 0          | 0            | 0         |
| PL.40726     | PL.40725    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.994                               | 0.087 | 0    | 0          | 0            | 0         |
| PL.4411      | PL.40726    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.074                               | 0.080 | 0    | 0          | 0            | 0         |
| PL.25190     | PL.25189    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.02            | 2.03                     | 3.66         | 2        | 27         | 5    | 98      | 0.00       | 0.0               | 2.000                               | 0.102 | 0    | 0          | 0            | 3         |
| PL.25191     | PL.25190    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 2.03                     | 2.29         | 1        | 17         | 3    | 98      | 0.00       | 0.0               | 2.060                               | 0.059 | 0    | 0          | 0            | 2         |
| 069727       | PL.25191    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 1.02         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.060                               | 0.000 | 7    | 1          | 1            | 1         |
| 069732       | PL.25191    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 1.27         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 2.060                               | 0.000 | 9    | 2          | 1            | 1         |
| 069709       | PL.25190    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 1.37         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 2.000                               | 0.000 | 10   | 2          | 1            | 1         |
| PL.40727     | PL.40732    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.98                     | 2.16         | 1        | 16         | 3    | 98      | 0.00       | 0.0               | 1.793                               | 0.003 | 0    | 0          | 0            | 3         |
| PL.40728     | PL.40727    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 1.99                     | 2.16         | 1        | 16         | 3    | 98      | 0.00       | 0.0               | 1.937                               | 0.144 | 0    | 0          | 0            | 3         |
| 120714       | PL.40728    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.20         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.937                               | 0.000 | 1    | 0          | 1            | 1         |
| 120701       | PL.40728    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.99                     | 1.09         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 1.937                               | 0.000 | 8    | 2          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| 120715       | PL.40728    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.99   | 0.87         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.937             | 0.000          | 6          | 1            | 1  | 1    |
| 120711       | PL.40728    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.99   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.937             | 0.000          | 0          | 0            | 0  | 0    |
| PL.40735     | PL.5522     | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.97   | 5.03         | 3        | 37         | 7    | 98      | 0.00       | 0.0               | 1.769             | 0.010          | 0          | 0            | 0  | 8    |
| PD.7169-A    | PL.40735    | A   | Closed             | 7.44Y     | 124.0        | 0.00            | 1.97   | 5.03         | 0        | 37         | 7    | 98      | 0.00       | 0.0               | 1.769             | 0.000          | 0          | 0            | 0  | 8    |
| PD.7169-B    | PD.7169-A   | A   | Closed             | 7.44Y     | 124.0        | 0.00            | 1.97   | 5.03         | 0        | 37         | 7    | 98      | 0.00       | 0.0               | 1.769             | 0.000          | 0          | 0            | 0  | 8    |
| PL.40736     | PD.7169-B   | A   | 4ACSR              | 7.44Y     | 124.0        | 0.03            | 1.99   | 5.03         | 3        | 37         | 7    | 98      | 0.01       | 0.0               | 1.889             | 0.120          | 0          | 0            | 0  | 8    |
| PL.11006     | PL.40736    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.02            | 2.02   | 3.95         | 2        | 29         | 6    | 98      | 0.00       | 0.0               | 2.016             | 0.127          | 0          | 0            | 0  | 7    |
| PL.11007     | PL.11006    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.03            | 2.05   | 3.95         | 2        | 29         | 6    | 98      | 0.01       | 0.0               | 2.193             | 0.177          | 0          | 0            | 0  | 7    |
| PL.11008     | PL.11007    | A   | 4ACSR              | 7.44Y     | 123.9        | 0.01            | 2.06   | 1.67         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 2.328             | 0.135          | 0          | 0            | 0  | 4    |
| PL.11011     | PL.11008    | A   | 4ACSR              | 7.44Y     | 123.9        | 0.02            | 2.07   | 1.67         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 2.566             | 0.238          | 0          | 0            | 0  | 4    |
| PL.11012     | PL.11011    | A   | 4ACSR              | 7.44Y     | 123.9        | 0.01            | 2.08   | 1.19         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 2.680             | 0.114          | 0          | 0            | 0  | 3    |
| PL.11013     | PL.11012    | A   | 4ACSR              | 7.43Y     | 123.9        | 0.01            | 2.09   | 1.19         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 2.812             | 0.132          | 0          | 0            | 0  | 3    |
| PL.11014     | PL.11013    | A   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.09   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.975             | 0.163          | 0          | 0            | 0  | 1    |
| 121703       | PL.11014    | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.09   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.975             | 0.000          | 0          | 0            | 1  | 1    |
| PL.822       | PL.11013    | A   | 4ACSR              | 7.43Y     | 123.9        | 0.01            | 2.10   | 1.19         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 2.991             | 0.180          | 0          | 0            | 0  | 2    |
| PL.847       | PL.822      | A   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.10   | 1.19         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 3.031             | 0.040          | 0          | 0            | 0  | 2    |
| 121828       | PL.847      | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.10   | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.031             | 0.000          | 0          | 0            | 1  | 1    |
| 121827       | PL.847      | A   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.10   | 1.13         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 3.031             | 0.000          | 8          | 2            | 1  | 1    |
| 121706       | PL.11012    | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.08   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.680             | 0.000          | 0          | 0            | 0  | 0    |
| PL.11009     | PL.11011    | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.07   | 0.48         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.612             | 0.046          | 0          | 0            | 0  | 1    |
| PL.11010     | PL.11009    | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.07   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.654             | 0.042          | 0          | 0            | 0  | 0    |
| 121704       | PL.11009    | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.07   | 0.48         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.612             | 0.000          | 4          | 1            | 1  | 1    |
| 120706       | PL.11007    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.05   | 0.27         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.193             | 0.000          | 2          | 0            | 1  | 1    |
| PL.40737     | PL.11007    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.05   | 2.00         | 1        | 15         | 3    | 98      | 0.00       | 0.0               | 2.196             | 0.003          | 0          | 0            | 0  | 2    |
| PL.40740     | PL.40737    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.05   | 2.00         | 1        | 15         | 3    | 98      | 0.00       | 0.0               | 2.200             | 0.004          | 0          | 0            | 0  | 2    |
| PL.40741     | PL.40740    | A   | 4ACSR              | 7.44Y     | 123.9        | 0.01            | 2.05   | 1.34         | 1        | 10         | 2    | 98      | 0.00       | 0.0               | 2.327             | 0.127          | 0          | 0            | 0  | 1    |
| 121707       | PL.40741    | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.05   | 1.34         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 2.327             | 0.000          | 10         | 2            | 1  | 1    |
| PL.40739     | PL.40740    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.05   | 0.66         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.296             | 0.096          | 0          | 0            | 0  | 1    |
| 120704       | PL.40739    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.05   | 0.66         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.296             | 0.000          | 5          | 1            | 1  | 1    |
| 1207016      | PL.40736    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.99   | 1.09         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 1.889             | 0.000          | 8          | 2            | 1  | 1    |
| 120702       | PL.5522     | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.97   | 1.13         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 1.759             | 0.000          | 8          | 2            | 1  | 1    |
| 069716       | PL.30836    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.84   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.578             | 0.000          | 0          | 0            | 0  | 0    |
| PL.18723     | PL.25195    | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.01            | 1.51   | 67.07        | 20       | 491        | 102  | 98      | 0.09       | 0.0               | 1.128             | 0.008          | 0          | 0            | 0  | 85   |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.01            | 1.03   | 78.85        | 24       | 578        | 124  | 98      |            |                   |                   |                | 0          | 0            | 0  | 101  |
|              |             | C   |                    | 7.52Y     | 125.4        | 0.00            | 0.64   | 47.53        | 14       | 350        | 71   | 98      |            |                   |                   |                | 0          | 0            | 0  | 66   |
| PL.18724     | PL.18723    | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.04            | 1.55   | 67.07        | 20       | 491        | 102  | 98      | 0.31       | 0.0               | 1.155             | 0.027          | 0          | 0            | 0  | 85   |
|              |             | B   |                    | 7.50Y     | 124.9        | 0.04            | 1.06   | 78.85        | 24       | 578        | 124  | 98      |            |                   |                   |                | 0          | 0            | 0  | 101  |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.02            | 0.66   | 47.53        | 14       | 350        | 71   | 98      |            |                   |                   |                | 0          | 0            | 0  | 66   |
| 069714       | PL.18724    | B   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.06   | 0.16         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.155             | 0.000          | 1          | 0            | 1  | 1    |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low



Unbalanced Voltage Drop Report
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes data for elements PL.11015 through PL.10875.

Unbalanced Voltage Drop Report
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for elements PL.17231, PD.3607, PL.17232, PL.3903, 069816, 069810, 069814, 069812, PL.3904, 069813, PL.10876, 069811, 069823, 069803, PL.10877, PL.10878, PL.3911, PL.10879, PL.10880, 069805, PL.10881, PL.40456, PD.7182, PL.40457, 069819, PL.10882, PL.365, PL.10883, PL.40460, PD.7184, PL.40461.

Unbalanced Voltage Drop Report
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |                |      | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |   | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|----------------|------|---------|------------|-----------|-------------------|-------------------|---|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | Length<br>(mi) | KW   |         |            |           |                   | KVAR              |   |            |              |
| PD.7225-A    | PL.40579    | B   | Closed             | 7.37Y     | 122.8        | 0.00            | 3.22                     | 8.69         | 0        | 63         | 12   | 98             | 0.00 | 0.0     | 3.142      | 0.000     | 0                 | 0                 | 0 | 8          |              |
| PD.7225-B    | PD.7225-A   | B   | Closed             | 7.37Y     | 122.8        | 0.00            | 3.22                     | 8.69         | 0        | 63         | 12   | 98             | 0.00 | 0.0     | 3.142      | 0.000     | 0                 | 0                 | 0 | 8          |              |
| PL.40578     | PD.7225-B   | B   | 4ACSR              | 7.36Y     | 122.6        | 0.15            | 3.37                     | 8.69         | 4        | 63         | 12   | 98             | 0.07 | 0.1     | 3.528      | 0.386     | 0                 | 0                 | 0 | 8          |              |
| PL.5115      | PL.40578    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.03            | 3.40                     | 8.65         | 4        | 62         | 12   | 98             | 0.01 | 0.0     | 3.604      | 0.076     | 0                 | 0                 | 0 | 7          |              |
| PL.11684     | PL.5115     | B   | 4ACSR              | 7.36Y     | 122.6        | 0.01            | 3.40                     | 5.69         | 3        | 41         | 8    | 98             | 0.00 | 0.0     | 3.634      | 0.029     | 0                 | 0                 | 0 | 4          |              |
| PL.11685     | PL.11684    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.01            | 3.41                     | 2.40         | 1        | 17         | 3    | 98             | 0.00 | 0.0     | 3.682      | 0.048     | 0                 | 0                 | 0 | 2          |              |
| PL.11683     | PL.11685    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.41                     | 1.04         | 1        | 7          | 1    | 99             | 0.00 | 0.0     | 3.760      | 0.078     | 0                 | 0                 | 0 | 1          |              |
| 120921       | PL.11683    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.41                     | 1.04         | 0        | 7          | 1    | 99             | 0.00 | 0.0     | 3.760      | 0.000     | 7                 | 1                 | 1 | 1          |              |
| 120930       | PL.11685    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.41                     | 1.37         | 0        | 10         | 2    | 98             | 0.00 | 0.0     | 3.682      | 0.000     | 10                | 2                 | 1 | 1          |              |
| PL.879       | PL.11684    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.41                     | 1.23         | 1        | 9          | 2    | 98             | 0.00 | 0.0     | 3.662      | 0.028     | 0                 | 0                 | 0 | 1          |              |
| 120929       | PL.879      | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.41                     | 1.23         | 0        | 9          | 2    | 98             | 0.00 | 0.0     | 3.662      | 0.000     | 9                 | 2                 | 1 | 1          |              |
| PL.20202     | PL.11684    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.40                     | 2.06         | 1        | 15         | 3    | 98             | 0.00 | 0.0     | 3.637      | 0.003     | 0                 | 0                 | 0 | 1          |              |
| PD.624       | PL.20202    | B   | fuse6AMP           | 7.36Y     | 122.6        | 0.00            | 3.40                     | 2.06         | 35       | 15         | 3    | 98             | 0.00 | 0.0     | 3.637      | 0.000     | 0                 | 0                 | 0 | 1          |              |
| PL.20203     | PD.624      | B   | 4ACSR              | 7.35Y     | 122.6        | 0.03            | 3.43                     | 2.06         | 1        | 15         | 3    | 98             | 0.00 | 0.0     | 3.971      | 0.334     | 0                 | 0                 | 0 | 1          |              |
| 120927       | PL.20203    | B   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.43                     | 2.06         | 0        | 15         | 3    | 98             | 0.00 | 0.0     | 3.971      | 0.000     | 15                | 3                 | 1 | 1          |              |
| PL.11686     | PL.5115     | B   | 4ACSR              | 7.36Y     | 122.6        | 0.01            | 3.41                     | 2.96         | 2        | 21         | 4    | 98             | 0.00 | 0.0     | 3.676      | 0.071     | 0                 | 0                 | 0 | 3          |              |
| 120915       | PL.11686    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.41                     | 0.42         | 0        | 3          | 1    | 95             | 0.00 | 0.0     | 3.676      | 0.000     | 3                 | 1                 | 1 | 1          |              |
| PL.11687     | PL.11686    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.01            | 3.41                     | 2.54         | 1        | 18         | 4    | 98             | 0.00 | 0.0     | 3.733      | 0.057     | 0                 | 0                 | 0 | 2          |              |
| PL.327       | PL.11687    | B   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.42                     | 1.24         | 1        | 9          | 2    | 98             | 0.00 | 0.0     | 3.820      | 0.088     | 0                 | 0                 | 0 | 1          |              |
| PD.625       | PL.327      | B   | fuse6AMP           | 7.35Y     | 122.6        | 0.00            | 3.42                     | 1.24         | 21       | 9          | 2    | 98             | 0.00 | 0.0     | 3.820      | 0.000     | 0                 | 0                 | 0 | 1          |              |
| PL.328       | PD.625      | B   | 2ACSR              | 7.35Y     | 122.6        | 0.00            | 3.42                     | 1.24         | 0        | 9          | 2    | 98             | 0.00 | 0.0     | 3.914      | 0.094     | 0                 | 0                 | 0 | 1          |              |
| 1209031      | PL.328      | B   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.42                     | 1.24         | 0        | 9          | 2    | 98             | 0.00 | 0.0     | 3.914      | 0.000     | 9                 | 2                 | 1 | 1          |              |
| 120923       | PL.11687    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.41                     | 1.30         | 0        | 9          | 2    | 98             | 0.00 | 0.0     | 3.733      | 0.000     | 9                 | 2                 | 1 | 1          |              |
| 120906       | PL.40578    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.37                     | 0.04         | 0        | 0          | 0    | 100            | 0.00 | 0.0     | 3.528      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| PL.18749     | PL.18752    | B   | 4ACSR              | 7.37Y     | 122.9        | 0.01            | 3.11                     | 15.79        | 8        | 114        | 23   | 98             | 0.01 | 0.0     | 2.899      | 0.021     | 0                 | 0                 | 0 | 15         |              |
| PD.7198      | PL.18749    | B   | Sectionali         | 7.37Y     | 122.9        | 0.00            | 3.11                     | 15.79        | 0        | 114        | 23   | 98             | 0.00 | 0.0     | 2.899      | 0.000     | 0                 | 0                 | 0 | 15         |              |
| PL.18750     | PD.7198     | B   | 4ACSR              | 7.37Y     | 122.8        | 0.08            | 3.19                     | 15.79        | 8        | 114        | 23   | 98             | 0.07 | 0.1     | 3.020      | 0.121     | 0                 | 0                 | 0 | 15         |              |
| 120917       | PL.18750    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.92         | 0        | 7          | 1    | 99             | 0.00 | 0.0     | 3.020      | 0.000     | 7                 | 1                 | 1 | 1          |              |
| 120902       | PL.18750    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 2.09         | 0        | 15         | 3    | 98             | 0.00 | 0.0     | 3.020      | 0.000     | 15                | 3                 | 1 | 1          |              |
| 120928       | PL.18750    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.02         | 0        | 0          | 0    | 100            | 0.00 | 0.0     | 3.020      | 0.000     | 0                 | 0                 | 1 | 1          |              |
| 120920       | PL.18750    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.99         | 0        | 7          | 1    | 99             | 0.00 | 0.0     | 3.020      | 0.000     | 7                 | 1                 | 1 | 1          |              |
| PL.5116      | PL.18750    | B   | 4ACSR              | 7.36Y     | 122.7        | 0.06            | 3.26                     | 11.78        | 6        | 85         | 18   | 98             | 0.04 | 0.0     | 3.141      | 0.121     | 0                 | 0                 | 0 | 11         |              |
| PL.10889     | PL.5116     | B   | 4ACSR              | 7.36Y     | 122.7        | 0.05            | 3.31                     | 11.78        | 6        | 85         | 18   | 98             | 0.03 | 0.0     | 3.236      | 0.094     | 0                 | 0                 | 0 | 11         |              |
| PL.10890     | PL.10889    | B   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.32                     | 7.65         | 4        | 55         | 12   | 98             | 0.00 | 0.0     | 3.263      | 0.027     | 0                 | 0                 | 0 | 8          |              |
| PL.10891     | PL.10890    | B   | 4ACSR              | 7.36Y     | 122.7        | 0.03            | 3.35                     | 7.65         | 4        | 55         | 12   | 98             | 0.01 | 0.0     | 3.359      | 0.096     | 0                 | 0                 | 0 | 8          |              |
| PL.40485     | PL.10891    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.35                     | 7.65         | 4        | 55         | 12   | 98             | 0.00 | 0.0     | 3.372      | 0.013     | 0                 | 0                 | 0 | 8          |              |
| PL.40486     | PL.40485    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.02            | 3.37                     | 6.48         | 3        | 47         | 10   | 98             | 0.01 | 0.0     | 3.445      | 0.073     | 0                 | 0                 | 0 | 7          |              |
| PL.40480     | PL.40486    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.37                     | 1.85         | 1        | 13         | 3    | 97             | 0.00 | 0.0     | 3.452      | 0.007     | 0                 | 0                 | 0 | 1          |              |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|---------------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                     | %<br>Loss         | KW |            |              | KVAR |
| PD.7192      | PL.40480    | B   | fuse6AMP           | 7.36Y     | 122.6        | 0.00            | 3.37   | 1.85         | 32       | 13         | 3    | 97      | 0.00       | 0.0               | 3.452               | 0.000             | 0  | 0          | 0            | 1    |
| PL.40481     | PD.7192     | B   | 4ACSR              | 7.36Y     | 122.6        | 0.01            | 3.38   | 1.85         | 1        | 13         | 3    | 97      | 0.00       | 0.0               | 3.513               | 0.062             | 0  | 0          | 0            | 1    |
| PL.4029      | PL.40481    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.38   | 1.85         | 1        | 13         | 3    | 97      | 0.00       | 0.0               | 3.574               | 0.060             | 0  | 0          | 0            | 1    |
| 069916       | PL.4029     | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.38   | 1.85         | 0        | 13         | 3    | 97      | 0.00       | 0.0               | 3.574               | 0.000             | 13 | 3          | 1            | 1    |
| PL.7989      | PL.40486    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.01            | 3.38   | 4.57         | 2        | 33         | 7    | 98      | 0.00       | 0.0               | 3.504               | 0.059             | 0  | 0          | 0            | 5    |
| 069910       | PL.7989     | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.38   | 1.34         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 3.504               | 0.000             | 10 | 2          | 1            | 1    |
| PL.10892     | PL.7989     | B   | 4ACSR              | 7.36Y     | 122.6        | 0.02            | 3.40   | 3.24         | 2        | 23         | 5    | 98      | 0.00       | 0.0               | 3.617               | 0.114             | 0  | 0          | 0            | 4    |
| PL.40489     | PL.10892    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.40   | 0.26         | 0        | 2          | 1    | 89      | 0.00       | 0.0               | 3.624               | 0.007             | 0  | 0          | 0            | 1    |
| PD.7193      | PL.40489    | B   | fuse6AMP           | 7.36Y     | 122.6        | 0.00            | 3.40   | 0.26         | 5        | 2          | 1    | 89      | 0.00       | 0.0               | 3.624               | 0.000             | 0  | 0          | 0            | 1    |
| PL.40490     | PD.7193     | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.40   | 0.26         | 0        | 2          | 1    | 89      | 0.00       | 0.0               | 3.667               | 0.043             | 0  | 0          | 0            | 1    |
| 069903       | PL.40490    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.40   | 0.26         | 0        | 2          | 1    | 89      | 0.00       | 0.0               | 3.667               | 0.000             | 2  | 1          | 1            | 1    |
| 069915       | PL.10892    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.40   | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.617               | 0.000             | 1  | 0          | 1            | 1    |
| PL.19098     | PL.10892    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.01            | 3.41   | 2.84         | 1        | 20         | 4    | 98      | 0.00       | 0.0               | 3.711               | 0.093             | 0  | 0          | 0            | 2    |
| PL.19099     | PL.19098    | B   | 4ACSR              | 7.35Y     | 122.6        | 0.01            | 3.42   | 1.46         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 3.803               | 0.092             | 0  | 0          | 0            | 1    |
| 0699019      | PL.19099    | B   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.42   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.803               | 0.000             | 0  | 0          | 0            | 0    |
| 069914       | PL.19099    | B   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.42   | 1.46         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 3.803               | 0.000             | 11 | 2          | 1            | 1    |
| 069912       | PL.19098    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.41   | 1.38         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 3.711               | 0.000             | 10 | 2          | 1            | 1    |
| 069901       | PL.40486    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.37   | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.445               | 0.000             | 0  | 0          | 1            | 1    |
| PL.40487     | PL.40485    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.35   | 1.16         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 3.377               | 0.005             | 0  | 0          | 0            | 1    |
| PD.7191      | PL.40487    | B   | fuse6AMP           | 7.36Y     | 122.6        | 0.00            | 3.35   | 1.16         | 20       | 8          | 2    | 97      | 0.00       | 0.0               | 3.377               | 0.000             | 0  | 0          | 0            | 1    |
| PL.40488     | PD.7191     | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.35   | 1.16         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 3.424               | 0.047             | 0  | 0          | 0            | 1    |
| 069908       | PL.40488    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.35   | 1.16         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 3.424               | 0.000             | 8  | 2          | 1            | 1    |
| PL.40471     | PL.10889    | B   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.31   | 4.13         | 2        | 30         | 6    | 98      | 0.00       | 0.0               | 3.244               | 0.008             | 0  | 0          | 0            | 3    |
| PD.7188      | PL.40471    | B   | fuse6AMP           | 7.36Y     | 122.7        | 0.00            | 3.31   | 4.13         | 71       | 30         | 6    | 98      | 0.00       | 0.0               | 3.244               | 0.000             | 0  | 0          | 0            | 3    |
| PL.40478     | PD.7188     | B   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.31   | 4.13         | 2        | 30         | 6    | 98      | 0.00       | 0.0               | 3.248               | 0.004             | 0  | 0          | 0            | 3    |
| PL.40477     | PL.40478    | B   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.31   | 4.01         | 2        | 29         | 6    | 98      | 0.00       | 0.0               | 3.283               | 0.035             | 0  | 0          | 0            | 2    |
| PL.5118      | PL.40477    | B   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.31   | 4.01         | 2        | 29         | 6    | 98      | 0.00       | 0.0               | 3.283               | 0.000             | 0  | 0          | 0            | 2    |
| 120922       | PL.5118     | B   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.31   | 2.62         | 0        | 19         | 4    | 98      | 0.00       | 0.0               | 3.283               | 0.000             | 19 | 4          | 1            | 1    |
| 120910       | PL.5118     | B   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.31   | 1.40         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 3.283               | 0.000             | 10 | 2          | 1            | 1    |
| PL.40479     | PL.40478    | B   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.31   | 0.12         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.424               | 0.176             | 0  | 0          | 0            | 1    |
| 120911       | PL.40479    | B   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.31   | 0.12         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.424               | 0.000             | 1  | 0          | 1            | 1    |
| 120919       | PL.10889    | B   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.31   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.236               | 0.000             | 0  | 0          | 0            | 0    |
| 120918       | PL.5116     | B   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.26   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.141               | 0.000             | 0  | 0          | 0            | 0    |
| PL.40466     | PL.10888    | B   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.94   | 0.56         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.745               | 0.002             | 0  | 0          | 0            | 2    |
| PD.7187      | PL.40466    | B   | fuse6AMP           | 7.38Y     | 123.1        | 0.00            | 2.94   | 0.56         | 10       | 4          | 1    | 97      | 0.00       | 0.0               | 2.745               | 0.000             | 0  | 0          | 0            | 2    |
| PL.40469     | PD.7187     | B   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.94   | 0.56         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.749               | 0.004             | 0  | 0          | 0            | 2    |
| PL.40470     | PL.40469    | B   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.94   | 0.56         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.837               | 0.088             | 0  | 0          | 0            | 1    |
| 120914       | PL.40470    | B   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.94   | 0.56         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.837               | 0.000             | 4  | 1          | 1            | 1    |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.40468     | PL.40469    | B   | 4ACSR              | 7.38Y     | 123.1        | 0.00            | 2.94                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.811                               | 0.062 | 0    | 0          | 0            | 1  |
| 120909       | PL.40468    | B   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.94                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.811                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.40462     | PL.10884    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.74                     | 0.51         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.586                               | 0.005 | 0    | 0          | 0            | 1  |
| PL.40463     | PL.40462    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.74                     | 0.51         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.664                               | 0.078 | 0    | 0          | 0            | 1  |
| 120804       | PL.40463    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.74                     | 0.51         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.664                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.40458     | PL.365      | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.48                     | 1.12         | 1        | 8          | 2       | 97         | 0.00      | 0.0               | 2.389                               | 0.004 | 0    | 0          | 0            | 1  |
| PD.7183      | PL.40458    | B   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.48                     | 1.12         | 19       | 8          | 2       | 97         | 0.00      | 0.0               | 2.389                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.40459     | PD.7183     | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.48                     | 1.12         | 1        | 8          | 2       | 97         | 0.00      | 0.0               | 2.452                               | 0.063 | 0    | 0          | 0            | 1  |
| 120817       | PL.40459    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.48                     | 1.12         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 2.452                               | 0.000 | 8    | 2          | 1            | 1  |
| 069836       | PL.10879    | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.12                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.131                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.40454     | PL.10879    | B   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.12                     | 2.94         | 2        | 21         | 4       | 98         | 0.00      | 0.0               | 2.138                               | 0.006 | 0    | 0          | 0            | 3  |
| PD.7181      | PL.40454    | B   | fuse6AMP           | 7.43Y     | 123.9        | 0.00            | 2.12                     | 2.94         | 50       | 21         | 4       | 98         | 0.00      | 0.0               | 2.138                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.40455     | PD.7181     | B   | 4ACSR              | 7.43Y     | 123.9        | 0.01            | 2.13                     | 2.94         | 2        | 21         | 4       | 98         | 0.00      | 0.0               | 2.212                               | 0.074 | 0    | 0          | 0            | 3  |
| 069826       | PL.40455    | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13                     | 1.10         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 2.212                               | 0.000 | 8    | 2          | 1            | 1  |
| 069827       | PL.40455    | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13                     | 1.13         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 2.212                               | 0.000 | 8    | 2          | 1            | 1  |
| PL.25198     | PL.40455    | B   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.13                     | 0.71         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.244                               | 0.032 | 0    | 0          | 0            | 1  |
| 069825       | PL.25198    | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13                     | 0.71         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.244                               | 0.000 | 5    | 1          | 1            | 1  |
| PL.7986      | PL.25198    | B   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.13                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.251                               | 0.007 | 0    | 0          | 0            | 0  |
| PL.20569     | PL.3911     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.37                     | 15.61        | 8        | 114        | 23      | 98         | 0.01      | 0.0               | 2.002                               | 0.013 | 0    | 0          | 0            | 21 |
| PL.20570     | PL.20569    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.03            | 2.40                     | 15.61        | 8        | 114        | 23      | 98         | 0.02      | 0.0               | 2.042                               | 0.040 | 0    | 0          | 0            | 21 |
| 069852       | PL.20570    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.042                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.8018      | PL.20570    | A   | 4ACSR              | 7.41Y     | 123.6        | 0.03            | 2.43                     | 15.61        | 8        | 114        | 23      | 98         | 0.03      | 0.0               | 2.087                               | 0.046 | 0    | 0          | 0            | 21 |
| PL.11174     | PL.8018     | A   | 4ACSR              | 7.41Y     | 123.5        | 0.06            | 2.49                     | 14.72        | 8        | 107        | 21      | 98         | 0.05      | 0.0               | 2.184                               | 0.097 | 0    | 0          | 0            | 20 |
| PL.42306     | PL.11174    | A   | 2ACSR              | 7.41Y     | 123.5        | 0.00            | 2.49                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.228                               | 0.044 | 0    | 0          | 0            | 0  |
| 0698053      | PL.42306    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.49                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.228                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.11175     | PL.11174    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.01            | 2.51                     | 11.84        | 6        | 86         | 17      | 98         | 0.01      | 0.0               | 2.212                               | 0.028 | 0    | 0          | 0            | 16 |
| PL.11176     | PL.11175    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.09            | 2.60                     | 11.84        | 6        | 86         | 17      | 98         | 0.06      | 0.1               | 2.386                               | 0.174 | 0    | 0          | 0            | 16 |
| 069831       | PL.11176    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.60                     | 0.46         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 2.386                               | 0.000 | 3    | 1          | 1            | 1  |
| PD.7173-A    | PL.11176    | A   | Closed             | 7.40Y     | 123.4        | 0.00            | 2.60                     | 0.12         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.386                               | 0.000 | 0    | 0          | 0            | 1  |
| PD.7173-B    | PD.7173-A   | A   | Closed             | 7.40Y     | 123.4        | 0.00            | 2.60                     | 0.12         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.386                               | 0.000 | 0    | 0          | 0            | 1  |
| 069838       | PD.7173-B   | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.60                     | 0.12         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.386                               | 0.000 | 1    | 0          | 1            | 1  |
| 069824       | PL.11176    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.60                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.386                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.40744     | PL.11176    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.60                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.395                               | 0.009 | 0    | 0          | 0            | 1  |
| PD.7172      | PL.40744    | A   | fuse6AMP           | 7.40Y     | 123.4        | 0.00            | 2.60                     | 0.84         | 14       | 6          | 1       | 99         | 0.00      | 0.0               | 2.395                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.40745     | PD.7172     | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.60                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.458                               | 0.063 | 0    | 0          | 0            | 1  |
| 069840       | PL.40745    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.60                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.458                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.7991      | PL.11176    | A   | 4ACSR              | 7.40Y     | 123.3        | 0.07            | 2.67                     | 10.16        | 5        | 74         | 15      | 98         | 0.04      | 0.1               | 2.555                               | 0.169 | 0    | 0          | 0            | 12 |
| PL.11177     | PL.7991     | A   | 4ACSR              | 7.40Y     | 123.3        | 0.03            | 2.70                     | 10.16        | 5        | 74         | 15      | 98         | 0.02      | 0.0               | 2.620                               | 0.065 | 0    | 0          | 0            | 11 |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.11178     | PL.11177    | A   | 4ACSR              | 7.40Y     | 123.3        | 0.03            | 2.72   | 8.36         | 4        | 61         | 12   | 98      | 0.01       | 0.0               | 2.690                               | 0.070 | 0    | 0          | 0            | 10        |
| 068829       | PL.11178    | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.72   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.690                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.8016      | PL.11178    | A   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.74   | 8.07         | 4        | 59         | 12   | 98      | 0.01       | 0.0               | 2.723                               | 0.034 | 0    | 0          | 0            | 8         |
| PL.8017      | PL.8016     | A   | 4ACSR              | 7.39Y     | 123.2        | 0.02            | 2.75   | 6.78         | 3        | 49         | 10   | 98      | 0.01       | 0.0               | 2.783                               | 0.060 | 0    | 0          | 0            | 7         |
| PL.11179     | PL.8017     | A   | 4ACSR              | 7.39Y     | 123.2        | 0.02            | 2.78   | 5.64         | 3        | 41         | 8    | 98      | 0.01       | 0.0               | 2.868                               | 0.085 | 0    | 0          | 0            | 6         |
| PL.11180     | PL.11179    | A   | 4ACSR              | 7.39Y     | 123.2        | 0.01            | 2.79   | 5.09         | 3        | 37         | 7    | 98      | 0.00       | 0.0               | 2.919                               | 0.051 | 0    | 0          | 0            | 5         |
| PL.40752     | PL.11180    | A   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.79   | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.931                               | 0.012 | 0    | 0          | 0            | 1         |
| PD.7177      | PL.40752    | A   | fuse6AMP           | 7.39Y     | 123.2        | 0.00            | 2.79   | 0.09         | 2        | 1          | 0    | 100     | 0.00       | 0.0               | 2.931                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.40753     | PD.7177     | A   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.79   | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.963                               | 0.032 | 0    | 0          | 0            | 1         |
| 068848       | PL.40753    | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.79   | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.963                               | 0.000 | 1    | 0          | 1            | 1         |
| 068825       | PL.11180    | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.79   | 1.11         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 2.919                               | 0.000 | 8    | 2          | 1            | 1         |
| PL.11181     | PL.11180    | A   | 4ACSR              | 7.39Y     | 123.2        | 0.01            | 2.80   | 3.89         | 2        | 28         | 6    | 98      | 0.00       | 0.0               | 3.004                               | 0.086 | 0    | 0          | 0            | 3         |
| PL.7992      | PL.11181    | A   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.80   | 1.13         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 3.075                               | 0.071 | 0    | 0          | 0            | 1         |
| 068839       | PL.7992     | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.80   | 1.13         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 3.075                               | 0.000 | 8    | 2          | 1            | 1         |
| 068828       | PL.11181    | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.80   | 1.25         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 3.004                               | 0.000 | 9    | 2          | 1            | 1         |
| 068846       | PL.11181    | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.80   | 1.51         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 3.004                               | 0.000 | 11   | 2          | 1            | 1         |
| PL.40750     | PL.11179    | A   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.78   | 0.55         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.875                               | 0.007 | 0    | 0          | 0            | 1         |
| PD.7176      | PL.40750    | A   | fuse6AMP           | 7.39Y     | 123.2        | 0.00            | 2.78   | 0.55         | 9        | 4          | 1    | 97      | 0.00       | 0.0               | 2.875                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.40751     | PD.7176     | A   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.78   | 0.55         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.917                               | 0.043 | 0    | 0          | 0            | 1         |
| 068820       | PL.40751    | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.78   | 0.55         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.917                               | 0.000 | 4    | 1          | 1            | 1         |
| 068809       | PL.8017     | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.75   | 1.14         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 2.783                               | 0.000 | 8    | 2          | 1            | 1         |
| 068847       | PL.8016     | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.74   | 1.29         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 2.723                               | 0.000 | 9    | 2          | 1            | 1         |
| PL.40748     | PL.11178    | A   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.73   | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.697                               | 0.007 | 0    | 0          | 0            | 1         |
| PD.7175      | PL.40748    | A   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.73   | 0.29         | 5        | 2          | 0    | 100     | 0.00       | 0.0               | 2.697                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.40749     | PD.7175     | A   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.73   | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.755                               | 0.058 | 0    | 0          | 0            | 1         |
| 068810       | PL.40749    | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.73   | 0.29         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.755                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.40746     | PL.11177    | A   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.70   | 1.80         | 1        | 13         | 3    | 97      | 0.00       | 0.0               | 2.629                               | 0.009 | 0    | 0          | 0            | 1         |
| PD.7174      | PL.40746    | A   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.70   | 1.80         | 31       | 13         | 3    | 97      | 0.00       | 0.0               | 2.629                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.40747     | PD.7174     | A   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.71   | 1.80         | 1        | 13         | 3    | 97      | 0.00       | 0.0               | 2.742                               | 0.113 | 0    | 0          | 0            | 1         |
| 068814       | PL.40747    | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.71   | 1.80         | 0        | 13         | 3    | 97      | 0.00       | 0.0               | 2.742                               | 0.000 | 13   | 3          | 1            | 1         |
| 068837       | PL.7991     | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.67   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.555                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.3916      | PL.11176    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.60   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.396                               | 0.010 | 0    | 0          | 0            | 0         |
| 069835       | PL.11174    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.49   | 1.35         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 2.184                               | 0.000 | 10   | 2          | 1            | 1         |
| 069833       | PL.11174    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.49   | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.184                               | 0.000 | 2    | 0          | 1            | 1         |
| 069845       | PL.11174    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.49   | 0.86         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.184                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.40742     | PL.11174    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.49   | 0.41         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 2.195                               | 0.010 | 0    | 0          | 0            | 1         |
| PD.7171      | PL.40742    | A   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.49   | 0.41         | 7        | 3          | 1    | 95      | 0.00       | 0.0               | 2.195                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.40743     | PD.7171     | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.49   | 0.41         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 2.274                               | 0.080 | 0    | 0          | 0            | 1         |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.3910      | PL.40743    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.49   | 0.41         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 2.344                               | 0.070 | 0    | 0          | 0            | 1         |
| 069829       | PL.3910     | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.49   | 0.41         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 2.344                               | 0.000 | 3    | 1          | 1            | 1         |
| 069830       | PL.8018     | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.43   | 0.88         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.087                               | 0.000 | 6    | 1          | 1            | 1         |
| 069832       | PL.3911     | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92   | 0.19         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.989                               | 0.000 | 1    | 0          | 1            | 1         |
| 069841       | PL.10878    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.976                               | 0.000 | 0    | 0          | 0            | 0         |
| 069804       | PL.10878    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92   | 0.82         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.976                               | 0.000 | 6    | 1          | 1            | 1         |
| 069809       | PL.10878    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.976                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.40452     | PL.10878    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.92   | 1.05         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 1.985                               | 0.009 | 0    | 0          | 0            | 1         |
| PD.7180      | PL.40452    | C   | fuse6AMP           | 7.50Y     | 125.1        | 0.00            | 0.92   | 1.05         | 18       | 8          | 2    | 97      | 0.00       | 0.0               | 1.985                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.40453     | PD.7180     | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.92   | 1.05         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 2.045                               | 0.060 | 0    | 0          | 0            | 1         |
| 069820       | PL.40453    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92   | 1.05         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 2.045                               | 0.000 | 8    | 2          | 1            | 1         |
| PL.40450     | PL.10877    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.93   | 1.17         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 1.935                               | 0.004 | 0    | 0          | 0            | 2         |
| PD.7179      | PL.40450    | C   | fuse6AMP           | 7.50Y     | 125.1        | 0.00            | 0.93   | 1.17         | 20       | 9          | 2    | 98      | 0.00       | 0.0               | 1.935                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.40451     | PD.7179     | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.93   | 1.17         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 1.972                               | 0.037 | 0    | 0          | 0            | 2         |
| 069822       | PL.40451    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93   | 0.83         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 1.972                               | 0.000 | 6    | 1          | 1            | 1         |
| 069821       | PL.40451    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93   | 0.34         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.972                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.8011      | PL.10875    | A   | 1/0ACSR            | 7.42Y     | 123.7        | 0.07            | 2.28   | 48.93        | 15       | 356        | 74   | 98      | 0.33       | 0.0               | 1.740                               | 0.075 | 0    | 0          | 0            | 62        |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.03            | 1.72   | 34.21        | 10       | 249        | 54   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 52           |           |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.05            | 1.02   | 37.85        | 11       | 278        | 56   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 50           |           |
| PL.17229     | PL.8011     | A   | 1/0ACSR            | 7.42Y     | 123.7        | 0.01            | 2.29   | 48.93        | 15       | 356        | 73   | 98      | 0.05       | 0.0               | 1.751                               | 0.011 | 0    | 0          | 0            | 62        |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.72   | 32.57        | 10       | 237        | 52   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 51           |           |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.01            | 1.03   | 37.85        | 11       | 278        | 56   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 50           |           |
| PD.2471-A    | PL.17229    | A   | Closed             | 7.42Y     | 123.7        | 0.00            | 2.29   | 48.93        | 0        | 356        | 73   | 98      | 0.00       | 0.0               | 1.751                               | 0.000 | 0    | 0          | 0            | 62        |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.72   | 32.57        | 0        | 237        | 52   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 51           |           |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 1.03   | 37.85        | 0        | 278        | 56   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 50           |           |
| PD.2471-B    | PD.2471-A   | A   | Closed             | 7.42Y     | 123.7        | 0.00            | 2.29   | 48.93        | 0        | 356        | 73   | 98      | 0.00       | 0.0               | 1.751                               | 0.000 | 0    | 0          | 0            | 62        |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.72   | 32.57        | 0        | 237        | 52   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 51           |           |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.00            | 1.03   | 37.85        | 0        | 278        | 56   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 50           |           |
| PL.17230     | PD.2471-B   | A   | 1/0ACSR            | 7.42Y     | 123.7        | 0.01            | 2.30   | 48.93        | 15       | 356        | 73   | 98      | 0.04       | 0.0               | 1.762                               | 0.010 | 0    | 0          | 0            | 62        |
|              |             | B   |                    | 7.46Y     | 124.3        | 0.00            | 1.73   | 32.57        | 10       | 237        | 52   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 51           |           |
|              |             | C   |                    | 7.50Y     | 125.0        | 0.01            | 1.04   | 37.85        | 11       | 278        | 56   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 50           |           |
| PL.25967     | PL.17230    | A   | 1/0ACSR            | 7.42Y     | 123.6        | 0.06            | 2.36   | 48.93        | 15       | 356        | 73   | 98      | 0.29       | 0.0               | 1.830                               | 0.069 | 0    | 0          | 0            | 62        |
|              |             | B   |                    | 7.45Y     | 124.2        | 0.03            | 1.76   | 32.57        | 10       | 237        | 52   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 51           |           |
|              |             | C   |                    | 7.49Y     | 124.9        | 0.05            | 1.09   | 37.85        | 11       | 278        | 56   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 50           |           |
| PL.25968     | PL.25967    | A   | 1/0ACSR            | 7.42Y     | 123.6        | 0.05            | 2.41   | 48.93        | 15       | 356        | 73   | 98      | 0.23       | 0.0               | 1.887                               | 0.057 | 0    | 0          | 0            | 62        |
|              |             | B   |                    | 7.45Y     | 124.2        | 0.02            | 1.78   | 32.57        | 10       | 237        | 52   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 51           |           |
|              |             | C   |                    | 7.49Y     | 124.9        | 0.04            | 1.13   | 34.04        | 10       | 250        | 51   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 46           |           |
| PL.17213     | PL.25968    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.41   | 1.23         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 1.914                               | 0.027 | 0    | 0          | 0            | 1         |
| PD.610       | PL.17213    | A   | fuse6AMP           | 7.42Y     | 123.6        | 0.00            | 2.41   | 1.23         | 21       | 9          | 2    | 98      | 0.00       | 0.0               | 1.914                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.17214     | PD.610      | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.42   | 1.23         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 1.987                               | 0.073 | 0    | 0          | 0            | 1         |
| 120819       | PL.17214    | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.42   | 1.23         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 1.987                               | 0.000 | 9    | 2          | 1            | 1         |
| PL.10675     | PL.25968    | A   | 1/0ACSR            | 7.41Y     | 123.5        | 0.08            | 2.49   | 47.70        | 14       | 346        | 71   | 98      | 0.36       | 0.0               | 1.978                               | 0.091 | 0    | 0          | 0            | 61        |
|              |             | B   |                    | 7.45Y     | 124.2        | 0.04            | 1.82   | 32.57        | 10       | 237        | 52   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 51           |           |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.06            | 1.19   | 34.04        | 10       | 250        | 51   | 98      |            |                   | 0                                   | 0     | 0    | 0          | 46           |           |
| PL.17217     | PL.10675    | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.49   | 0.63         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.998                               | 0.019 | 0    | 0          | 0            | 2         |
| PD.605       | PL.17217    | A   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.49   | 0.63         | 11       | 5          | 1    | 98      | 0.00       | 0.0               | 1.998                               | 0.000 | 0    | 0          | 0            | 2         |



Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|----------------|-------------------|----|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | KW    | KVAR  |                   |                |                   |    |            |              |
| PL.17218     | PD.605      | A   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.49                     | 0.63         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 2.100 | 0.102 | 0                 | 0              | 0                 | 2  |            |              |
| 120809       | PL.17218    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.49                     | 0.62         | 0        | 5          | 1    | 98      | 0.00       | 0.0       | 2.100 | 0.000 | 5                 | 1              | 1                 | 1  |            |              |
| 120825       | PL.17218    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.49                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.100 | 0.000 | 0                 | 0              | 1                 | 1  |            |              |
| PL.10676     | PL.10675    | A   | 1/0ACSR            | 7.41Y     | 123.5        | 0.05            | 2.54                     | 47.07        | 14       | 342        | 70   | 98      | 0.22       | 0.0       | 2.038 | 0.059 | 0                 | 0              | 0                 | 59 |            |              |
|              |             | B   |                    | 7.45Y     | 124.2        | 0.02            | 1.84                     | 30.46        | 9        | 222        | 48   | 98      |            |           |       |       | 0                 | 0              | 0                 | 49 |            |              |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.04            | 1.22                     | 34.04        | 10       | 250        | 50   | 98      |            |           |       |       | 0                 | 0              | 0                 | 46 |            |              |
| PL.17215     | PL.10676    | C   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.22                     | 1.58         | 1        | 12         | 2    | 99      | 0.00       | 0.0       | 2.049 | 0.012 | 0                 | 0              | 0                 | 1  |            |              |
| PD.604       | PL.17215    | C   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 1.58         | 27       | 12         | 2    | 99      | 0.00       | 0.0       | 2.049 | 0.000 | 0                 | 0              | 0                 | 1  |            |              |
| PL.17216     | PD.604      | C   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.23                     | 1.58         | 1        | 12         | 2    | 99      | 0.00       | 0.0       | 2.087 | 0.037 | 0                 | 0              | 0                 | 1  |            |              |
| 120822       | PL.17216    | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 1.58         | 0        | 12         | 2    | 99      | 0.00       | 0.0       | 2.087 | 0.000 | 12                | 2              | 1                 | 1  |            |              |
| PL.10677     | PL.10676    | A   | 1/0ACSR            | 7.41Y     | 123.4        | 0.02            | 2.56                     | 47.07        | 14       | 342        | 70   | 98      | 0.09       | 0.0       | 2.063 | 0.026 | 0                 | 0              | 0                 | 59 |            |              |
|              |             | B   |                    | 7.45Y     | 124.1        | 0.01            | 1.85                     | 30.46        | 9        | 222        | 48   | 98      |            |           |       |       | 0                 | 0              | 0                 | 49 |            |              |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.02            | 1.24                     | 32.46        | 10       | 238        | 48   | 98      |            |           |       |       | 0                 | 0              | 0                 | 45 |            |              |
| PL.10678     | PL.10677    | A   | 1/0ACSR            | 7.40Y     | 123.4        | 0.07            | 2.63                     | 47.07        | 14       | 342        | 70   | 98      | 0.28       | 0.0       | 2.140 | 0.077 | 0                 | 0              | 0                 | 59 |            |              |
|              |             | B   |                    | 7.45Y     | 124.1        | 0.03            | 1.88                     | 30.46        | 9        | 222        | 48   | 98      |            |           |       |       | 0                 | 0              | 0                 | 49 |            |              |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.05            | 1.29                     | 31.34        | 9        | 230        | 46   | 98      |            |           |       |       | 0                 | 0              | 0                 | 44 |            |              |
| PL.10679     | PL.10678    | A   | 1/0ACSR            | 7.40Y     | 123.3        | 0.10            | 2.73                     | 47.07        | 14       | 341        | 70   | 98      | 0.41       | 0.1       | 2.256 | 0.116 | 0                 | 0              | 0                 | 59 |            |              |
|              |             | B   |                    | 7.44Y     | 124.1        | 0.04            | 1.92                     | 30.46        | 9        | 222        | 48   | 98      |            |           |       |       | 0                 | 0              | 0                 | 49 |            |              |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.06            | 1.35                     | 29.57        | 9        | 217        | 44   | 98      |            |           |       |       | 0                 | 0              | 0                 | 42 |            |              |
| PL.17221     | PL.10679    | A   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.73                     | 1.20         | 1        | 9          | 2    | 98      | 0.00       | 0.0       | 2.276 | 0.020 | 0                 | 0              | 0                 | 1  |            |              |
| PD.612       | PL.17221    | A   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.73                     | 1.20         | 21       | 9          | 2    | 98      | 0.00       | 0.0       | 2.276 | 0.000 | 0                 | 0              | 0                 | 1  |            |              |
| PL.17222     | PD.612      | A   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.74                     | 1.20         | 1        | 9          | 2    | 98      | 0.00       | 0.0       | 2.353 | 0.077 | 0                 | 0              | 0                 | 1  |            |              |
| 120826       | PL.17222    | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.74                     | 1.20         | 0        | 9          | 2    | 98      | 0.00       | 0.0       | 2.353 | 0.000 | 9                 | 2              | 1                 | 1  |            |              |
| PL.10680     | PL.10679    | A   | 1/0ACSR            | 7.39Y     | 123.2        | 0.07            | 2.81                     | 45.87        | 14       | 332        | 68   | 98      | 0.29       | 0.0       | 2.342 | 0.086 | 0                 | 0              | 0                 | 58 |            |              |
|              |             | B   |                    | 7.44Y     | 124.0        | 0.03            | 1.95                     | 29.43        | 9        | 214        | 47   | 98      |            |           |       |       | 0                 | 0              | 0                 | 47 |            |              |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.05            | 1.40                     | 29.57        | 9        | 217        | 44   | 98      |            |           |       |       | 0                 | 0              | 0                 | 42 |            |              |
| PL.17223     | PL.10680    | A   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.81                     | 2.34         | 1        | 17         | 3    | 98      | 0.00       | 0.0       | 2.366 | 0.024 | 0                 | 0              | 0                 | 4  |            |              |
| PD.606       | PL.17223    | A   | fuse6AMP           | 7.39Y     | 123.2        | 0.00            | 2.81                     | 2.34         | 40       | 17         | 3    | 98      | 0.00       | 0.0       | 2.366 | 0.000 | 0                 | 0              | 0                 | 4  |            |              |
| PL.17224     | PD.606      | A   | 4ACSR              | 7.39Y     | 123.2        | 0.01            | 2.82                     | 2.34         | 1        | 17         | 3    | 98      | 0.00       | 0.0       | 2.462 | 0.095 | 0                 | 0              | 0                 | 4  |            |              |
| PL.844       | PL.17224    | A   | 4ACSR              | 7.39Y     | 123.2        | 0.01            | 2.83                     | 1.72         | 1        | 12         | 2    | 99      | 0.00       | 0.0       | 2.539 | 0.078 | 0                 | 0              | 0                 | 3  |            |              |
| PL.845       | PL.844      | A   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.83                     | 0.92         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 2.568 | 0.029 | 0                 | 0              | 0                 | 1  |            |              |
| 121803       | PL.845      | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.83                     | 0.92         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 2.568 | 0.000 | 7                 | 1              | 1                 | 1  |            |              |
| PL.846       | PL.844      | A   | 4ACSR              | 7.39Y     | 123.2        | 0.01            | 2.83                     | 0.80         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 2.698 | 0.159 | 0                 | 0              | 0                 | 2  |            |              |
| 1218038      | PL.846      | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.83                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 2.698 | 0.000 | 0                 | 0              | 1                 | 1  |            |              |
| 121826       | PL.846      | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.83                     | 0.80         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 2.698 | 0.000 | 6                 | 1              | 1                 | 1  |            |              |
| 121802       | PL.17224    | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.82                     | 0.62         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 2.462 | 0.000 | 4                 | 1              | 1                 | 1  |            |              |
| PL.5113      | PL.10680    | A   | 1/0ACSR            | 7.39Y     | 123.1        | 0.07            | 2.87                     | 43.53        | 13       | 315        | 64   | 98      | 0.26       | 0.0       | 2.428 | 0.086 | 0                 | 0              | 0                 | 54 |            |              |
|              |             | B   |                    | 7.44Y     | 124.0        | 0.03            | 1.98                     | 26.27        | 8        | 191        | 42   | 98      |            |           |       |       | 0                 | 0              | 0                 | 46 |            |              |
|              |             | C   |                    | 7.47Y     | 124.6        | 0.05            | 1.45                     | 29.57        | 9        | 217        | 44   | 98      |            |           |       |       | 0                 | 0              | 0                 | 42 |            |              |
| 121804       | PL.5113     | B   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.43         | 0        | 3          | 1    | 95      | 0.00       | 0.0       | 2.428 | 0.000 | 3                 | 1              | 1                 | 1  |            |              |
| PL.10681     | PL.5113     | A   | 1/0ACSR            | 7.38Y     | 123.0        | 0.10            | 2.98                     | 43.53        | 13       | 315        | 64   | 98      | 0.39       | 0.1       | 2.558 | 0.130 | 0                 | 0              | 0                 | 54 |            |              |
|              |             | B   |                    | 7.44Y     | 124.0        | 0.04            | 2.02                     | 25.84        | 8        | 188        | 41   | 98      |            |           |       |       | 0                 | 0              | 0                 | 45 |            |              |
|              |             | C   |                    | 7.47Y     | 124.5        | 0.08            | 1.53                     | 29.57        | 9        | 217        | 44   | 98      |            |           |       |       | 0                 | 0              | 0                 | 42 |            |              |
| PL.27375     | PL.10681    | A   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 2.98                     | 1.44         | 1        | 10         | 2    | 98      | 0.00       | 0.0       | 2.571 | 0.013 | 0                 | 0              | 0                 | 1  |            |              |
| PD.613       | PL.27375    | A   | fuse6AMP           | 7.38Y     | 123.0        | 0.00            | 2.98                     | 1.44         | 25       | 10         | 2    | 98      | 0.00       | 0.0       | 2.571 | 0.000 | 0                 | 0              | 0                 | 1  |            |              |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |       |      |      |    |      |      | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|-------|------|------|----|------|------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum                    | Thru  | %    | Thru | kw | %    | Loss |                   |                                     |       |      |            |              |    |
|              |             |     |                    |           |              |                 | Drop                     | Drop  | Amps | Cap  | KW | KVAR | PF   |                   |                                     |       |      |            |              |    |
| PL.27376     | PD.613      | A   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 2.98                     | 1.44  | 1    | 10   | 2  | 98   | 0.00 | 0.0               | 2.594                               | 0.024 | 0    | 0          | 0            | 1  |
| 121830       | PL.27376    | A   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.98                     | 1.44  | 0    | 10   | 2  | 98   | 0.00 | 0.0               | 2.594                               | 0.000 | 10   | 2          | 1            | 1  |
| PL.10682     | PL.10681    | A   | 1/0ACSR            | 7.38Y     | 123.0        | 0.04            | 3.02                     | 42.08 | 13   | 304  | 62 | 98   | 0.17 | 0.0               | 2.615                               | 0.058 | 0    | 0          | 0            | 53 |
|              |             | B   |                    | 7.44Y     | 124.0        | 0.02            | 2.03                     | 25.84 | 8    | 188  | 41 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 45 |
|              |             | C   |                    | 7.47Y     | 124.4        | 0.03            | 1.56                     | 29.57 | 9    | 217  | 44 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 42 |
| 121805       | PL.10682    | B   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 1.23  | 0    | 9    | 2  | 98   | 0.00 | 0.0               | 2.615                               | 0.000 | 9    | 2          | 1            | 1  |
| 1218037      | PL.10682    | B   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.03                     | 0.08  | 0    | 1    | 0  | 100  | 0.00 | 0.0               | 2.615                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.27377     | PL.10682    | C   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.37  | 0    | 3    | 1  | 95   | 0.00 | 0.0               | 2.633                               | 0.018 | 0    | 0          | 0            | 1  |
| PD.607       | PL.27377    | C   | fuse6AMP           | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.37  | 6    | 3    | 1  | 95   | 0.00 | 0.0               | 2.633                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.27378     | PD.607      | C   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.37  | 0    | 3    | 1  | 95   | 0.00 | 0.0               | 2.710                               | 0.076 | 0    | 0          | 0            | 1  |
| 121808       | PL.27378    | C   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.37  | 0    | 3    | 1  | 95   | 0.00 | 0.0               | 2.710                               | 0.000 | 3    | 1          | 1            | 1  |
| PL.10683     | PL.10682    | A   | 1/0ACSR            | 7.38Y     | 122.9        | 0.05            | 3.07                     | 42.08 | 13   | 304  | 62 | 98   | 0.20 | 0.0               | 2.685                               | 0.070 | 0    | 0          | 0            | 53 |
|              |             | B   |                    | 7.44Y     | 123.9        | 0.02            | 2.05                     | 24.53 | 7    | 178  | 39 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 43 |
|              |             | C   |                    | 7.46Y     | 124.4        | 0.04            | 1.60                     | 29.20 | 9    | 214  | 43 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 41 |
| PL.10684     | PL.10683    | A   | 1/0ACSR            | 7.37Y     | 122.9        | 0.06            | 3.14                     | 40.61 | 12   | 294  | 59 | 98   | 0.24 | 0.0               | 2.775                               | 0.090 | 0    | 0          | 0            | 51 |
|              |             | B   |                    | 7.44Y     | 123.9        | 0.03            | 2.08                     | 24.53 | 7    | 178  | 39 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 43 |
|              |             | C   |                    | 7.46Y     | 124.3        | 0.05            | 1.65                     | 29.20 | 9    | 214  | 43 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 41 |
| PL.10685     | PL.10684    | A   | 1/0ACSR            | 7.37Y     | 122.8        | 0.06            | 3.20                     | 40.61 | 12   | 293  | 59 | 98   | 0.22 | 0.0               | 2.858                               | 0.083 | 0    | 0          | 0            | 51 |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.02            | 2.10                     | 24.01 | 7    | 174  | 39 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 41 |
|              |             | C   |                    | 7.46Y     | 124.3        | 0.05            | 1.70                     | 29.20 | 9    | 214  | 43 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 41 |
| PL.10686     | PL.10685    | A   | 1/0ACSR            | 7.37Y     | 122.8        | 0.02            | 3.22                     | 40.61 | 12   | 293  | 59 | 98   | 0.07 | 0.0               | 2.884                               | 0.026 | 0    | 0          | 0            | 51 |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.01            | 2.11                     | 22.09 | 7    | 161  | 32 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 40 |
|              |             | C   |                    | 7.46Y     | 124.3        | 0.02            | 1.72                     | 29.20 | 9    | 214  | 43 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 41 |
| PL.27383     | PL.10686    | A   | 1/0ACSR            | 7.37Y     | 122.8        | 0.00            | 3.22                     | 40.61 | 12   | 293  | 59 | 98   | 0.01 | 0.0               | 2.890                               | 0.005 | 0    | 0          | 0            | 51 |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.00            | 2.11                     | 21.09 | 6    | 154  | 31 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 38 |
|              |             | C   |                    | 7.46Y     | 124.3        | 0.00            | 1.72                     | 29.20 | 9    | 213  | 43 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 41 |
| PD.86-A      | PL.27383    | A   | Closed             | 7.37Y     | 122.8        | 0.00            | 3.22                     | 40.61 | 0    | 293  | 59 | 98   | 0.00 | 0.0               | 2.890                               | 0.000 | 0    | 0          | 0            | 51 |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.00            | 2.11                     | 21.09 | 0    | 154  | 31 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 38 |
|              |             | C   |                    | 7.46Y     | 124.3        | 0.00            | 1.72                     | 29.20 | 0    | 213  | 43 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 41 |
| PD.86-B      | PD.86-A     | A   | Closed             | 7.37Y     | 122.8        | 0.00            | 3.22                     | 40.61 | 0    | 293  | 59 | 98   | 0.00 | 0.0               | 2.890                               | 0.000 | 0    | 0          | 0            | 51 |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.00            | 2.11                     | 21.09 | 0    | 154  | 31 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 38 |
|              |             | C   |                    | 7.46Y     | 124.3        | 0.00            | 1.72                     | 29.20 | 0    | 213  | 43 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 41 |
| PL.27384     | PD.86-B     | A   | 1/0ACSR            | 7.37Y     | 122.8        | 0.01            | 3.23                     | 40.61 | 12   | 293  | 59 | 98   | 0.04 | 0.0               | 2.905                               | 0.015 | 0    | 0          | 0            | 51 |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.00            | 2.11                     | 21.09 | 6    | 154  | 31 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 38 |
|              |             | C   |                    | 7.46Y     | 124.3        | 0.01            | 1.73                     | 29.20 | 9    | 213  | 43 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 41 |
| PL.10687     | PL.27384    | A   | 1/0ACSR            | 7.36Y     | 122.7        | 0.10            | 3.33                     | 40.61 | 12   | 293  | 59 | 98   | 0.21 | 0.0               | 3.005                               | 0.101 | 0    | 0          | 0            | 51 |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.01            | 2.12                     | 21.09 | 6    | 154  | 31 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 38 |
|              |             | C   |                    | 7.46Y     | 124.3        | 0.00            | 1.73                     | 2.41  | 1    | 18   | 3  | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 3  |
| PL.876       | PL.10687    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.73                     | 1.86  | 1    | 14   | 3  | 98   | 0.00 | 0.0               | 3.044                               | 0.039 | 0    | 0          | 0            | 1  |
| 121835       | PL.876      | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.73                     | 1.86  | 0    | 14   | 3  | 98   | 0.00 | 0.0               | 3.044                               | 0.000 | 14   | 3          | 1            | 1  |
| PL.28530     | PL.10687    | A   | 1/0ACSR            | 7.36Y     | 122.7        | 0.01            | 3.34                     | 40.61 | 12   | 293  | 59 | 98   | 0.02 | 0.0               | 3.013                               | 0.007 | 0    | 0          | 0            | 51 |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.00            | 2.12                     | 21.09 | 6    | 154  | 31 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 38 |
|              |             | C   |                    | 7.46Y     | 124.3        | -0.00           | 1.73                     | 0.55  | 0    | 4    | 1  | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 2  |
| C PD.3505    | PL.28530    | A   | 50L                | 7.36Y     | 122.7        | 0.00            | 3.34                     | 40.61 | 81   | 293  | 59 | 98   | 0.00 | 0.0               | 3.013                               | 0.000 | 0    | 0          | 0            | 51 |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.00            | 2.12                     | 21.09 | 42   | 154  | 31 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 38 |
|              |             | C   |                    | 7.46Y     | 124.3        | 0.00            | 1.73                     | 0.55  | 1    | 4    | 1  | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 2  |
| PL.28531     | PD.3505     | A   | 1/0ACSR            | 7.36Y     | 122.6        | 0.06            | 3.40                     | 40.61 | 12   | 293  | 59 | 98   | 0.13 | 0.0               | 3.075                               | 0.062 | 0    | 0          | 0            | 51 |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.01            | 2.13                     | 21.09 | 6    | 154  | 31 | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 38 |
|              |             | C   |                    | 7.46Y     | 124.3        | -0.00           | 1.73                     | 0.55  | 0    | 4    | 1  | 98   | 0    | 0                 |                                     |       | 0    | 0          | 0            | 2  |
| PL.41696     | PL.28531    | A   | 4ACSR              | 7.35Y     | 122.4        | 0.17            | 3.57                     | 40.61 | 21   | 293  | 59 | 98   | 0.38 | 0.1               | 3.170                               | 0.095 | 0    | 0          | 0            | 51 |
| PL.41697     | PL.41696    | A   | 4ACSR              | 7.33Y     | 122.2        | 0.26            | 3.83                     | 40.61 | 21   | 293  | 58 | 98   | 0.59 | 0.2               | 3.319                               | 0.149 | 0    | 0          | 0            | 51 |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.5123      | PL.41697    | A   | 4ACSR              | 7.31Y     | 121.9        | 0.27            | 4.10                     | 39.19        | 20       | 282        | 56   | 98      | 0.57       | 0.2               | 3.475                               | 0.156 | 0    | 0          | 0            | 49        |
| PL.5110      | PL.5123     | A   | 4ACSR              | 7.30Y     | 121.6        | 0.27            | 4.37                     | 38.47        | 20       | 276        | 55   | 98      | 0.56       | 0.2               | 3.634                               | 0.159 | 0    | 0          | 0            | 48        |
| 122822       | PL.5110     | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.37                     | 1.78         | 0        | 13         | 3    | 97      | 0.00       | 0.0               | 3.634                               | 0.000 | 13   | 3          | 1            | 1         |
| PL.18545     | PL.5110     | A   | 4ACSR              | 7.30Y     | 121.6        | 0.01            | 4.37                     | 16.67        | 9        | 119        | 24   | 98      | 0.01       | 0.0               | 3.645                               | 0.011 | 0    | 0          | 0            | 23        |
| PD.3310      | PL.18545    | A   | 25L                | 7.30Y     | 121.6        | 0.00            | 4.37                     | 16.67        | 67       | 119        | 24   | 98      | 0.00       | 0.0               | 3.645                               | 0.000 | 0    | 0          | 0            | 23        |
| PL.18546     | PD.3310     | A   | 4ACSR              | 7.30Y     | 121.6        | 0.02            | 4.39                     | 16.67        | 9        | 119        | 24   | 98      | 0.02       | 0.0               | 3.671                               | 0.026 | 0    | 0          | 0            | 23        |
| 122817       | PL.18546    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.671                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.10924     | PL.18546    | A   | 4ACSR              | 7.29Y     | 121.5        | 0.11            | 4.50                     | 16.67        | 9        | 119        | 24   | 98      | 0.10       | 0.1               | 3.817                               | 0.147 | 0    | 0          | 0            | 23        |
| PL.40510     | PL.10924    | A   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.50                     | 1.25         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 3.824                               | 0.007 | 0    | 0          | 0            | 1         |
| PD.7200      | PL.40510    | A   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.50                     | 1.25         | 21       | 9          | 2    | 98      | 0.00       | 0.0               | 3.824                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.40511     | PD.7200     | A   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.50                     | 1.25         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 3.893                               | 0.069 | 0    | 0          | 0            | 1         |
| 122834       | PL.40511    | A   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.50                     | 1.25         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 3.893                               | 0.000 | 9    | 2          | 1            | 1         |
| PL.10925     | PL.10924    | A   | 4ACSR              | 7.29Y     | 121.4        | 0.07            | 4.57                     | 11.06        | 6        | 79         | 16   | 98      | 0.04       | 0.1               | 3.957                               | 0.140 | 0    | 0          | 0            | 17        |
| PL.40514     | PL.10925    | A   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.57                     | 1.14         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 3.963                               | 0.006 | 0    | 0          | 0            | 1         |
| PD.7202      | PL.40514    | A   | fuse6AMP           | 7.29Y     | 121.4        | 0.00            | 4.57                     | 1.14         | 19       | 8          | 2    | 97      | 0.00       | 0.0               | 3.963                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.40515     | PD.7202     | A   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.57                     | 1.14         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 4.059                               | 0.096 | 0    | 0          | 0            | 1         |
| 122821       | PL.40515    | A   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.57                     | 1.14         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 4.059                               | 0.000 | 8    | 2          | 1            | 1         |
| PL.10926     | PL.10925    | A   | 4ACSR              | 7.28Y     | 121.4        | 0.02            | 4.59                     | 9.93         | 5        | 71         | 14   | 98      | 0.01       | 0.0               | 4.012                               | 0.054 | 0    | 0          | 0            | 16        |
| PL.10927     | PL.10926    | A   | 4ACSR              | 7.28Y     | 121.4        | 0.02            | 4.61                     | 8.08         | 4        | 58         | 11   | 98      | 0.01       | 0.0               | 4.056                               | 0.045 | 0    | 0          | 0            | 14        |
| PL.10928     | PL.10927    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.05            | 4.66                     | 7.54         | 4        | 54         | 11   | 98      | 0.02       | 0.0               | 4.208                               | 0.152 | 0    | 0          | 0            | 13        |
| 122806       | PL.10928    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.66                     | 1.45         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 4.208                               | 0.000 | 10   | 2          | 1            | 1         |
| PL.10929     | PL.10928    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.03            | 4.69                     | 6.09         | 3        | 43         | 9    | 98      | 0.01       | 0.0               | 4.338                               | 0.130 | 0    | 0          | 0            | 12        |
| PL.10930     | PL.10929    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.70                     | 1.01         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 4.540                               | 0.202 | 0    | 0          | 0            | 4         |
| PL.10933     | PL.10930    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.70                     | 1.01         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 4.621                               | 0.081 | 0    | 0          | 0            | 4         |
| PL.40278     | PL.10933    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.70                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.627                               | 0.006 | 0    | 0          | 0            | 1         |
| PD.7132      | PL.40278    | A   | fuse6AMP           | 7.28Y     | 121.3        | 0.00            | 4.70                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.627                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.40279     | PD.7132     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.70                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.822                               | 0.195 | 0    | 0          | 0            | 1         |
| PL.834       | PL.40279    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.70                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.891                               | 0.069 | 0    | 0          | 0            | 1         |
| 122810       | PL.834      | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.70                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.891                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.10934     | PL.10933    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.71                     | 1.01         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 4.822                               | 0.201 | 0    | 0          | 0            | 3         |
| PL.40508     | PL.10934    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.71                     | 0.79         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.829                               | 0.007 | 0    | 0          | 0            | 2         |
| PD.7197      | PL.40508    | A   | fuse6AMP           | 7.28Y     | 121.3        | 0.00            | 4.71                     | 0.79         | 13       | 6          | 1    | 99      | 0.00       | 0.0               | 4.829                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.40509     | PD.7197     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.72                     | 0.79         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.936                               | 0.107 | 0    | 0          | 0            | 2         |
| 123807       | PL.40509    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.72                     | 0.79         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.936                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.19240     | PL.40509    | A   | 4ACSR              | 7.28Y     | 121.3        | -0.00           | 4.72                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.982                               | 0.046 | 0    | 0          | 0            | 1         |
| 123808       | PL.19240    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.72                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.982                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.10935     | PL.10934    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.72                     | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.098                               | 0.276 | 0    | 0          | 0            | 1         |
| 123802       | PL.10935    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.72                     | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.098                               | 0.000 | 2    | 0          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| PL.40506     | PL.10929    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.69                     | 5.08         | 3        | 36         | 7       | 98         | 0.00      | 0.0               | 4.348                               | 0.010 | 0    | 0          | 0            | 8   |
| C PD.7196    | PL.40506    | A   | fuse6AMP           | 7.28Y     | 121.3        | 0.00            | 4.69                     | 5.08         | 87       | 36         | 7       | 98         | 0.00      | 0.0               | 4.348                               | 0.000 | 0    | 0          | 0            | 8 C |
| PL.40507     | PD.7196     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.71                     | 5.08         | 3        | 36         | 7       | 98         | 0.00      | 0.0               | 4.410                               | 0.061 | 0    | 0          | 0            | 8   |
| PL.838       | PL.40507    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.71                     | 3.57         | 2        | 26         | 5       | 98         | 0.00      | 0.0               | 4.445                               | 0.035 | 0    | 0          | 0            | 5   |
| PL.839       | PL.838      | A   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.72                     | 3.57         | 2        | 26         | 5       | 98         | 0.00      | 0.0               | 4.486                               | 0.041 | 0    | 0          | 0            | 5   |
| PL.38273     | PL.839      | A   | 4ACSR              | 7.28Y     | 121.3        | 0.02            | 4.73                     | 3.57         | 2        | 26         | 5       | 98         | 0.00      | 0.0               | 4.582                               | 0.096 | 0    | 0          | 0            | 5   |
| PL.38646     | PL.38273    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.74                     | 3.57         | 2        | 25         | 5       | 98         | 0.00      | 0.0               | 4.605                               | 0.023 | 0    | 0          | 0            | 5   |
| 122813       | PL.38646    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.74                     | 0.91         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.605                               | 0.000 | 6    | 1          | 1            | 1   |
| PL.38645     | PL.38646    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.74                     | 2.67         | 1        | 19         | 4       | 98         | 0.00      | 0.0               | 4.629                               | 0.023 | 0    | 0          | 0            | 4   |
| PL.38272     | PL.38645    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.75                     | 2.67         | 1        | 19         | 4       | 98         | 0.00      | 0.0               | 4.698                               | 0.069 | 0    | 0          | 0            | 4   |
| PL.880       | PL.38272    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.75                     | 0.20         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.783                               | 0.085 | 0    | 0          | 0            | 1   |
| 122836       | PL.880      | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.75                     | 0.20         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.783                               | 0.000 | 1    | 0          | 1            | 1   |
| 122825       | PL.38272    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.75                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.698                               | 0.000 | 0    | 0          | 1            | 1   |
| 122831       | PL.38272    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.75                     | 1.33         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 4.698                               | 0.000 | 10   | 2          | 1            | 1   |
| 122814       | PL.38272    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.75                     | 1.11         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 4.698                               | 0.000 | 8    | 2          | 1            | 1   |
| 122805       | PL.40507    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.71                     | 0.15         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.410                               | 0.000 | 1    | 0          | 1            | 1   |
| PL.5527      | PL.40507    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.01            | 4.71                     | 1.35         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 4.506                               | 0.096 | 0    | 0          | 0            | 2   |
| PL.10931     | PL.5527     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.72                     | 1.35         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 4.554                               | 0.048 | 0    | 0          | 0            | 2   |
| PL.867       | PL.10931    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.72                     | 0.76         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.646                               | 0.092 | 0    | 0          | 0            | 1   |
| 122830       | PL.867      | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.72                     | 0.76         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.646                               | 0.000 | 5    | 1          | 1            | 1   |
| PL.10932     | PL.10931    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.72                     | 0.60         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.648                               | 0.094 | 0    | 0          | 0            | 1   |
| PL.337       | PL.10932    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.00            | 4.72                     | 0.60         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.668                               | 0.020 | 0    | 0          | 0            | 1   |
| 123806       | PL.337      | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.72                     | 0.60         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.668                               | 0.000 | 4    | 1          | 1            | 1   |
| 122827       | PL.5527     | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.71                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.506                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.40518     | PL.10927    | A   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.61                     | 0.54         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.063                               | 0.006 | 0    | 0          | 0            | 1   |
| PD.7204      | PL.40518    | A   | fuse6AMP           | 7.28Y     | 121.4        | 0.00            | 4.61                     | 0.54         | 9        | 4          | 1       | 97         | 0.00      | 0.0               | 4.063                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.40519     | PD.7204     | A   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.61                     | 0.54         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.168                               | 0.105 | 0    | 0          | 0            | 1   |
| 122819       | PL.40519    | A   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.61                     | 0.54         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.168                               | 0.000 | 4    | 1          | 1            | 1   |
| PL.40516     | PL.10926    | A   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.59                     | 1.85         | 1        | 13         | 3       | 97         | 0.00      | 0.0               | 4.018                               | 0.006 | 0    | 0          | 0            | 2   |
| PD.7203      | PL.40516    | A   | fuse6AMP           | 7.28Y     | 121.4        | 0.00            | 4.59                     | 1.85         | 32       | 13         | 3       | 97         | 0.00      | 0.0               | 4.018                               | 0.000 | 0    | 0          | 0            | 2   |
| PL.40517     | PD.7203     | A   | 4ACSR              | 7.28Y     | 121.4        | 0.01            | 4.60                     | 1.85         | 1        | 13         | 3       | 97         | 0.00      | 0.0               | 4.130                               | 0.112 | 0    | 0          | 0            | 2   |
| 122820       | PL.40517    | A   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.60                     | 0.46         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.130                               | 0.000 | 3    | 1          | 1            | 1   |
| PL.30781     | PL.40517    | A   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.60                     | 1.39         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 4.200                               | 0.070 | 0    | 0          | 0            | 1   |
| 1228038      | PL.30781    | A   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.60                     | 1.39         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 4.200                               | 0.000 | 10   | 2          | 1            | 1   |
| PL.40512     | PL.10924    | A   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.50                     | 4.36         | 2        | 31         | 6       | 98         | 0.00      | 0.0               | 3.825                               | 0.008 | 0    | 0          | 0            | 5   |
| PD.7201      | PL.40512    | A   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.50                     | 4.36         | 74       | 31         | 6       | 98         | 0.00      | 0.0               | 3.825                               | 0.000 | 0    | 0          | 0            | 5   |
| PL.40513     | PD.7201     | A   | 4ACSR              | 7.29Y     | 121.5        | 0.01            | 4.51                     | 4.36         | 2        | 31         | 6       | 98         | 0.00      | 0.0               | 3.863                               | 0.037 | 0    | 0          | 0            | 5   |
| 122828       | PL.40513    | A   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.51                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.863                               | 0.000 | 2    | 0          | 1            | 1   |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.866       | PL.40513    | A   | 4ACSR              | 7.29Y     | 121.5        | 0.01            | 4.52   | 4.05         | 2        | 29         | 6    | 98      | 0.00       | 0.0               | 3.920                               | 0.057 | 0    | 0          | 0            | 4         |
| PL.868       | PL.866      | A   | 4ACSR              | 7.29Y     | 121.5        | 0.01            | 4.53   | 2.66         | 1        | 19         | 4    | 98      | 0.00       | 0.0               | 3.988                               | 0.068 | 0    | 0          | 0            | 2         |
| PL.870       | PL.868      | A   | 4ACSR              | 7.29Y     | 121.5        | 0.01            | 4.53   | 2.66         | 1        | 19         | 4    | 98      | 0.00       | 0.0               | 4.053                               | 0.066 | 0    | 0          | 0            | 2         |
| 122833       | PL.870      | A   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.53   | 1.48         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 4.053                               | 0.000 | 11   | 2          | 1            | 1         |
| PL.30780     | PL.870      | A   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.54   | 1.18         | 1        | 8          | 2    | 97      | 0.00       | 0.0               | 4.104                               | 0.051 | 0    | 0          | 0            | 1         |
| 1228037      | PL.30780    | A   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.54   | 1.18         | 0        | 8          | 2    | 97      | 0.00       | 0.0               | 4.104                               | 0.000 | 8    | 2          | 1            | 1         |
| 122829       | PL.866      | A   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.52   | 1.39         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 3.920                               | 0.000 | 10   | 2          | 1            | 1         |
| PL.40966     | PL.866      | A   | 2ACSR              | 7.29Y     | 121.5        | -0.00           | 4.52   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.986                               | 0.066 | 0    | 0          | 0            | 1         |
| 1228041      | PL.40966    | A   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.52   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.986                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.843       | PL.5110     | A   | 4ACSR              | 7.30Y     | 121.6        | 0.02            | 4.38   | 2.98         | 2        | 21         | 4    | 98      | 0.00       | 0.0               | 3.762                               | 0.128 | 0    | 0          | 0            | 3         |
| 121801       | PL.843      | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.38   | 1.34         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 3.762                               | 0.000 | 10   | 2          | 1            | 1         |
| PL.10936     | PL.843      | A   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.39   | 1.63         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 3.801                               | 0.038 | 0    | 0          | 0            | 2         |
| PL.10937     | PL.10936    | A   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.39   | 1.02         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 3.831                               | 0.030 | 0    | 0          | 0            | 1         |
| 121815       | PL.10937    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39   | 1.02         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.831                               | 0.000 | 7    | 1          | 1            | 1         |
| 121823       | PL.10937    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.831                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.42160     | PL.10936    | A   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.39   | 0.62         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.859                               | 0.059 | 0    | 0          | 0            | 1         |
| PL.42161     | PL.42160    | A   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.39   | 0.62         | 0        | 4          | 0    | 100     | 0.00       | 0.0               | 3.919                               | 0.060 | 0    | 0          | 0            | 1         |
| 1218042      | PL.42161    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.919                               | 0.000 | 0    | 0          | 0            | 0         |
| 121833       | PL.42161    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39   | 0.62         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.919                               | 0.000 | 4    | 1          | 1            | 1         |
| P PL.45295   | PL.42161    | A   | 2ACSR              | 7.30Y     | 121.6        | -0.00           | 4.39   | -0.06        | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.983                               | 0.064 | 0    | 0          | 0            | 0 P       |
| 1218044      | PL.45295    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.983                               | 0.000 | 0    | 0          | 0            | 0         |
| P PL.45296   | PL.45295    | A   | 2ACSR              | 7.30Y     | 121.6        | -0.00           | 4.39   | -0.06        | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.113                               | 0.130 | 0    | 0          | 0            | 0 P       |
| P PL.44717   | PL.45296    | A   | 1/0EPRJCN          | 7.30Y     | 121.6        | -0.00           | 4.39   | -0.06        | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.213                               | 0.099 | 0    | 0          | 0            | 0 P       |
| 1218043      | PL.44717    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.213                               | 0.000 | 0    | 0          | 0            | 0         |
| 121807       | PL.42160    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.859                               | 0.000 | 0    | 0          | 0            | 0         |
| 1218041      | PL.42160    | A   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.859                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.18547     | PL.5110     | A   | 4ACSR              | 7.29Y     | 121.6        | 0.06            | 4.42   | 17.05        | 9        | 122        | 24   | 98      | 0.05       | 0.0               | 3.712                               | 0.078 | 0    | 0          | 0            | 21        |
| PD.3309      | PL.18547    | A   | 25L                | 7.29Y     | 121.6        | 0.00            | 4.42   | 17.05        | 68       | 122        | 24   | 98      | 0.00       | 0.0               | 3.712                               | 0.000 | 0    | 0          | 0            | 21        |
| PL.18548     | PD.3309     | A   | 4ACSR              | 7.29Y     | 121.5        | 0.07            | 4.49   | 17.05        | 9        | 122        | 24   | 98      | 0.06       | 0.1               | 3.801                               | 0.089 | 0    | 0          | 0            | 21        |
| 122803       | PL.18548    | A   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.49   | 0.27         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.801                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.5109      | PL.18548    | A   | 4ACSR              | 7.29Y     | 121.4        | 0.07            | 4.56   | 16.78        | 9        | 120        | 24   | 98      | 0.06       | 0.1               | 3.892                               | 0.092 | 0    | 0          | 0            | 20        |
| 122802       | PL.5109     | A   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.56   | 0.46         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 3.892                               | 0.000 | 3    | 1          | 1            | 1         |
| PL.30798     | PL.5109     | A   | 4ACSR              | 7.28Y     | 121.4        | 0.04            | 4.60   | 16.32        | 8        | 117        | 23   | 98      | 0.04       | 0.0               | 3.949                               | 0.056 | 0    | 0          | 0            | 19        |
| PL.19610     | PL.30798    | A   | 4ACSR              | 7.28Y     | 121.4        | 0.04            | 4.64   | 16.32        | 8        | 117        | 23   | 98      | 0.03       | 0.0               | 4.004                               | 0.055 | 0    | 0          | 0            | 19        |
| 122710       | PL.19610    | A   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.64   | 0.05         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.004                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.5531      | PL.19610    | A   | 4ACSR              | 7.28Y     | 121.3        | 0.06            | 4.70   | 16.26        | 8        | 116        | 23   | 98      | 0.06       | 0.0               | 4.092                               | 0.088 | 0    | 0          | 0            | 18        |
| PL.10938     | PL.5531     | A   | 4ACSR              | 7.28Y     | 121.3        | 0.04            | 4.74   | 14.60        | 8        | 104        | 21   | 98      | 0.03       | 0.0               | 4.147                               | 0.055 | 0    | 0          | 0            | 17        |
| PL.10939     | PL.10938    | A   | 4ACSR              | 7.27Y     | 121.2        | 0.05            | 4.79   | 14.06        | 7        | 100        | 20   | 98      | 0.04       | 0.0               | 4.234                               | 0.087 | 0    | 0          | 0            | 16        |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.40542     | PL.10939    | A   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.79   | 0.71         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.239                               | 0.005 | 0    | 0          | 0            | 1         |
| PD.7217      | PL.40542    | A   | fuse6AMP           | 7.27Y     | 121.2        | 0.00            | 4.79   | 0.71         | 12       | 5          | 1    | 98      | 0.00       | 0.0               | 4.239                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.40543     | PD.7217     | A   | 4ACSR              | 7.27Y     | 121.2        | 0.00            | 4.79   | 0.71         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.334                               | 0.095 | 0    | 0          | 0            | 1         |
| 122720       | PL.40543    | A   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.79   | 0.71         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.334                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.10940     | PL.10939    | A   | 4ACSR              | 7.27Y     | 121.2        | 0.02            | 4.81   | 13.34        | 7        | 95         | 19   | 98      | 0.01       | 0.0               | 4.267                               | 0.033 | 0    | 0          | 0            | 15        |
| PL.10941     | PL.10940    | A   | 4ACSR              | 7.27Y     | 121.2        | 0.02            | 4.83   | 13.34        | 7        | 95         | 19   | 98      | 0.01       | 0.0               | 4.301                               | 0.034 | 0    | 0          | 0            | 15        |
| PL.27404     | PL.10941    | A   | 4ACSR              | 7.27Y     | 121.2        | 0.01            | 4.84   | 12.41        | 6        | 88         | 18   | 98      | 0.01       | 0.0               | 4.315                               | 0.014 | 0    | 0          | 0            | 14        |
| PD.75-A      | PL.27404    | A   | Closed             | 7.27Y     | 121.2        | 0.00            | 4.84   | 12.41        | 0        | 88         | 18   | 98      | 0.00       | 0.0               | 4.315                               | 0.000 | 0    | 0          | 0            | 14        |
| PD.75-B      | PD.75-A     | A   | Closed             | 7.27Y     | 121.2        | 0.00            | 4.84   | 12.41        | 0        | 88         | 18   | 98      | 0.00       | 0.0               | 4.315                               | 0.000 | 0    | 0          | 0            | 14        |
| PL.27405     | PD.75-B     | A   | 4ACSR              | 7.26Y     | 121.1        | 0.09            | 4.93   | 12.41        | 6        | 88         | 18   | 98      | 0.06       | 0.1               | 4.488                               | 0.174 | 0    | 0          | 0            | 14        |
| PL.30799     | PL.27405    | A   | 4ACSR              | 7.26Y     | 121.0        | 0.02            | 4.95   | 11.29        | 6        | 80         | 16   | 98      | 0.01       | 0.0               | 4.535                               | 0.047 | 0    | 0          | 0            | 13        |
| 122724       | PL.30799    | A   | Consumer           | 7.26Y     | 121.0        | 0.00            | 4.95   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.535                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.40556     | PL.30799    | A   | 4ACSR              | 7.26Y     | 121.0        | 0.02            | 4.97   | 11.29        | 6        | 80         | 16   | 98      | 0.01       | 0.0               | 4.580                               | 0.045 | 0    | 0          | 0            | 12        |
| PL.40569     | PL.40556    | A   | 4ACSR              | 7.26Y     | 121.0        | 0.00            | 4.98   | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 4.584                               | 0.004 | 0    | 0          | 0            | 2         |
| PD.7222      | PL.40569    | A   | fuse6AMP           | 7.26Y     | 121.0        | 0.00            | 4.98   | 0.61         | 10       | 4          | 1    | 97      | 0.00       | 0.0               | 4.584                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.40570     | PD.7222     | A   | 4ACSR              | 7.26Y     | 121.0        | 0.00            | 4.98   | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 4.615                               | 0.032 | 0    | 0          | 0            | 2         |
| PL.19285     | PL.40570    | A   | 4ACSR              | 7.26Y     | 121.0        | 0.00            | 4.98   | 0.04         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.680                               | 0.064 | 0    | 0          | 0            | 1         |
| 122722       | PL.19285    | A   | Consumer           | 7.26Y     | 121.0        | 0.00            | 4.98   | 0.04         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.680                               | 0.000 | 0    | 0          | 1            | 1         |
| 122711       | PL.40570    | A   | Consumer           | 7.26Y     | 121.0        | 0.00            | 4.98   | 0.57         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 4.615                               | 0.000 | 4    | 1          | 1            | 1         |
| PL.40567     | PL.40556    | A   | 2ACSR              | 7.26Y     | 121.0        | 0.05            | 5.02   | 10.67        | 4        | 76         | 15   | 98      | 0.03       | 0.0               | 4.731                               | 0.152 | 0    | 0          | 0            | 10        |
| PL.40568     | PL.40567    | A   | 2ACSR              | 7.26Y     | 120.9        | 0.05            | 5.07   | 8.95         | 4        | 64         | 13   | 98      | 0.02       | 0.0               | 4.898                               | 0.167 | 0    | 0          | 0            | 9         |
| PL.40565     | PL.40568    | A   | 2ACSR              | 7.26Y     | 120.9        | 0.01            | 5.08   | 8.95         | 4        | 64         | 13   | 98      | 0.00       | 0.0               | 4.917                               | 0.019 | 0    | 0          | 0            | 9         |
| PL.40564     | PL.40565    | A   | 2ACSR              | 7.25Y     | 120.9        | 0.01            | 5.09   | 7.74         | 3        | 55         | 11   | 98      | 0.00       | 0.0               | 4.963                               | 0.046 | 0    | 0          | 0            | 8         |
| PL.10944     | PL.40564    | A   | 4ACSR              | 7.25Y     | 120.9        | 0.02            | 5.10   | 7.74         | 4        | 55         | 11   | 98      | 0.01       | 0.0               | 5.017                               | 0.054 | 0    | 0          | 0            | 8         |
| PL.5530      | PL.10944    | A   | 4ACSR              | 7.25Y     | 120.9        | 0.01            | 5.12   | 2.77         | 1        | 20         | 4    | 98      | 0.00       | 0.0               | 5.130                               | 0.113 | 0    | 0          | 0            | 2         |
| PL.27709     | PL.5530     | A   | 4ACSR              | 7.25Y     | 120.9        | 0.00            | 5.12   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.138                               | 0.008 | 0    | 0          | 0            | 1         |
| PD.584       | PL.27709    | A   | fuse6AMP           | 7.25Y     | 120.9        | 0.00            | 5.12   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.138                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.27710     | PD.584      | A   | 4ACSR              | 7.25Y     | 120.9        | 0.00            | 5.12   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.256                               | 0.118 | 0    | 0          | 0            | 1         |
| PL.814       | PL.27710    | A   | 4ACSR              | 7.25Y     | 120.9        | 0.00            | 5.12   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.316                               | 0.060 | 0    | 0          | 0            | 1         |
| 122705       | PL.814      | A   | Consumer           | 7.25Y     | 120.9        | 0.00            | 5.12   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.316                               | 0.000 | 0    | 0          | 1            | 1         |
| 122725       | PL.5530     | A   | Consumer           | 7.25Y     | 120.9        | 0.00            | 5.12   | 2.77         | 0        | 20         | 4    | 98      | 0.00       | 0.0               | 5.130                               | 0.000 | 20   | 4          | 1            | 1         |
| PL.40546     | PL.10944    | A   | 4ACSR              | 7.25Y     | 120.9        | 0.00            | 5.11   | 4.97         | 3        | 35         | 7    | 98      | 0.00       | 0.0               | 5.027                               | 0.010 | 0    | 0          | 0            | 6         |
| PL.40547     | PL.40546    | A   | 4ACSR              | 7.25Y     | 120.9        | 0.03            | 5.13   | 4.97         | 3        | 35         | 7    | 98      | 0.01       | 0.0               | 5.145                               | 0.117 | 0    | 0          | 0            | 6         |
| PL.5095      | PL.40547    | A   | 4ACSR              | 7.25Y     | 120.8        | 0.04            | 5.17   | 2.87         | 1        | 20         | 4    | 98      | 0.01       | 0.0               | 5.465                               | 0.321 | 0    | 0          | 0            | 4         |
| PL.5096      | PL.5095     | A   | 4ACSR              | 7.25Y     | 120.8        | 0.02            | 5.19   | 2.36         | 1        | 17         | 3    | 98      | 0.00       | 0.0               | 5.633                               | 0.168 | 0    | 0          | 0            | 3         |
| 121705       | PL.5096     | A   | Consumer           | 7.25Y     | 120.8        | 0.00            | 5.19   | 0.66         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 5.633                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.5523      | PL.5096     | A   | 4ACSR              | 7.25Y     | 120.8        | 0.00            | 5.19   | 1.70         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 5.660                               | 0.027 | 0    | 0          | 0            | 2         |
| PL.5524      | PL.5523     | A   | 4ACSR              | 7.25Y     | 120.8        | 0.00            | 5.20   | 1.69         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 5.721                               | 0.061 | 0    | 0          | 0            | 1         |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |           |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 121710       | PL.5524     | A   | Consumer           | 7.25Y     | 120.8        | 0.00            | 5.20   | 1.69         | 0        | 12         | 2         | 99         | 0.00      | 0.0               | 5.721                               | 0.000 | 12   | 2          | 1            | 1  |
| 121709       | PL.5523     | A   | Consumer           | 7.25Y     | 120.8        | 0.00            | 5.19   | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.660                               | 0.000 | 0    | 0          | 1            | 1  |
| 121708       | PL.5095     | A   | Consumer           | 7.25Y     | 120.8        | 0.00            | 5.17   | 0.51         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 5.465                               | 0.000 | 4    | 1          | 1            | 1  |
| 122702       | PL.40547    | A   | Consumer           | 7.25Y     | 120.9        | 0.00            | 5.13   | 1.77         | 0        | 13         | 2         | 99         | 0.00      | 0.0               | 5.145                               | 0.000 | 13   | 2          | 1            | 1  |
| 122726       | PL.40547    | A   | Consumer           | 7.25Y     | 120.9        | 0.00            | 5.13   | 0.33         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 5.145                               | 0.000 | 2    | 0          | 1            | 1  |
| 122716       | PL.40565    | A   | Consumer           | 7.26Y     | 120.9        | 0.00            | 5.08   | 1.21         | 0        | 9          | 2         | 98         | 0.00      | 0.0               | 4.917                               | 0.000 | 9    | 2          | 1            | 1  |
| PL.40563     | PL.40568    | A   | 2ACSR              | 7.26Y     | 120.9        | 0.00            | 5.07   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.912                               | 0.014 | 0    | 0          | 0            | 0  |
| PL.40571     | PL.40567    | A   | 2ACSR              | 7.26Y     | 121.0        | 0.00            | 5.02   | 1.72         | 1        | 12         | 2         | 99         | 0.00      | 0.0               | 4.736                               | 0.004 | 0    | 0          | 0            | 1  |
| PD.7223      | PL.40571    | A   | fuse6AMP           | 7.26Y     | 121.0        | 0.00            | 5.02   | 1.72         | 29       | 12         | 2         | 99         | 0.00      | 0.0               | 4.736                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.40572     | PD.7223     | A   | 2ACSR              | 7.26Y     | 121.0        | 0.00            | 5.03   | 1.72         | 1        | 12         | 2         | 99         | 0.00      | 0.0               | 4.819                               | 0.083 | 0    | 0          | 0            | 1  |
| 122706       | PL.40572    | A   | Consumer           | 7.26Y     | 121.0        | 0.00            | 5.03   | 1.72         | 0        | 12         | 2         | 99         | 0.00      | 0.0               | 4.819                               | 0.000 | 12   | 2          | 1            | 1  |
| 122718       | PL.27405    | A   | Consumer           | 7.26Y     | 121.1        | 0.00            | 4.93   | 1.12         | 0        | 8          | 2         | 97         | 0.00      | 0.0               | 4.488                               | 0.000 | 8    | 2          | 1            | 1  |
| 122717       | PL.27405    | A   | Consumer           | 7.26Y     | 121.1        | 0.00            | 4.93   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.488                               | 0.000 | 0    | 0          | 0            | 0  |
| 122708       | PL.10941    | A   | Consumer           | 7.27Y     | 121.2        | 0.00            | 4.83   | 0.94         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 4.301                               | 0.000 | 7    | 1          | 1            | 1  |
| 122728       | PL.10938    | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.74   | 0.55         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 4.147                               | 0.000 | 4    | 1          | 1            | 1  |
| 122713       | PL.5531     | A   | Consumer           | 7.28Y     | 121.3        | 0.00            | 4.70   | 1.66         | 0        | 12         | 2         | 99         | 0.00      | 0.0               | 4.092                               | 0.000 | 12   | 2          | 1            | 1  |
| PL.813       | PL.19610    | A   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.64   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.006                               | 0.002 | 0    | 0          | 0            | 0  |
| 122811       | PL.5123     | A   | Consumer           | 7.31Y     | 121.9        | 0.00            | 4.10   | 0.72         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 3.475                               | 0.000 | 5    | 1          | 1            | 1  |
| 1218039      | PL.41697    | A   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.83   | 1.41         | 0        | 10         | 2         | 98         | 0.00      | 0.0               | 3.319                               | 0.000 | 10   | 2          | 1            | 1  |
| 121834       | PL.41697    | A   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.83   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.319                               | 0.000 | 0    | 0          | 1            | 1  |
| 1218040      | PL.41696    | A   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.57   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.170                               | 0.000 | 0    | 0          | 0            | 0  |
| 1218045      | PL.41696    | A   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.57   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.170                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.42        | PL.28531    | A   | 4ACSR              | 7.36Y     | 122.6        | 0.01            | 3.41   | 0.00         | 0        | 0          | 0         | 100        | 0.10      | 0.1               | 3.186                               | 0.111 | 0    | 0          | 0            | 0  |
|              |             | B   |                    | 7.43Y     | 123.8        | 0.09            | 2.22   | 19.12        | 10       | 139        | 28        | 98         |           |                   | 0                                   | 0     | 0    | 0          | 36           |    |
|              |             | C   |                    | 7.46Y     | 124.3        | -0.02           | 1.71   | 0.55         | 0        | 4          | 1         | 98         |           |                   | 0                                   | 0     | 0    | 0          | 2            |    |
| PL.40528     | PL.42       | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.71   | 0.55         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 3.189                               | 0.003 | 0    | 0          | 0            | 2  |
| PD.7209      | PL.40528    | C   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.71   | 0.55         | 9        | 4          | 1         | 97         | 0.00      | 0.0               | 3.189                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.40529     | PD.7209     | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.71   | 0.55         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 3.246                               | 0.057 | 0    | 0          | 0            | 2  |
| 121814       | PL.40529    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71   | 0.34         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 3.246                               | 0.000 | 2    | 0          | 1            | 1  |
| 121817       | PL.40529    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71   | 0.21         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 3.246                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.45877     | PL.40529    | C   | 2ACSR              | 7.46Y     | 124.3        | 0.00            | 1.71   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.286                               | 0.039 | 0    | 0          | 0            | 0  |
| 1218046      | PL.45877    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.71   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.286                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.40530     | PL.42       | B   | 4ACSR              | 7.43Y     | 123.8        | 0.01            | 2.23   | 19.12        | 10       | 139        | 28        | 98         | 0.01      | 0.0               | 3.198                               | 0.012 | 0    | 0          | 0            | 36 |
| PD.7210-A    | PL.40530    | B   | Closed             | 7.43Y     | 123.8        | 0.00            | 2.23   | 19.12        | 0        | 139        | 28        | 98         | 0.00      | 0.0               | 3.198                               | 0.000 | 0    | 0          | 0            | 36 |
| PD.7210-B    | PD.7210-A   | B   | Closed             | 7.43Y     | 123.8        | 0.00            | 2.23   | 19.12        | 0        | 139        | 28        | 98         | 0.00      | 0.0               | 3.198                               | 0.000 | 0    | 0          | 0            | 36 |
| PL.40531     | PD.7210-B   | B   | 4ACSR              | 7.42Y     | 123.7        | 0.11            | 2.34   | 19.12        | 10       | 139        | 28        | 98         | 0.12      | 0.1               | 3.330                               | 0.132 | 0    | 0          | 0            | 36 |
| PL.43513     | PL.40531    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.36   | 19.12        | 10       | 139        | 28        | 98         | 0.01      | 0.0               | 3.347                               | 0.016 | 0    | 0          | 0            | 36 |
| 122807       | PL.43513    | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.36   | 0.04         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.347                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.43609     | PL.43513    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.03            | 2.38   | 19.08        | 10       | 139        | 28        | 98         | 0.03      | 0.0               | 3.377                               | 0.030 | 0    | 0          | 0            | 35 |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW |            |              | KVAR |
| PL.43611     | PL.43609    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.39   | 19.08        | 10       | 139        | 28   | 98      | 0.01       | 0.0               | 3.393          | 0.016             | 0  | 0          | 0            | 35   |
| PL.43612     | PL.43611    | B   | 4ACSR              | 7.41Y     | 123.6        | 0.05            | 2.45   | 18.62        | 10       | 135        | 27   | 98      | 0.05       | 0.0               | 3.457          | 0.064             | 0  | 0          | 0            | 34   |
| PL.10130     | PL.43612    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.06            | 2.51   | 17.48        | 9        | 127        | 25   | 98      | 0.06       | 0.0               | 3.537          | 0.080             | 0  | 0          | 0            | 33   |
| PL.27389     | PL.10130    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.51   | 2.70         | 1        | 20         | 4    | 98      | 0.00       | 0.0               | 3.544          | 0.006             | 0  | 0          | 0            | 3    |
| PD.616       | PL.27389    | B   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.51   | 2.70         | 46       | 20         | 4    | 98      | 0.00       | 0.0               | 3.544          | 0.000             | 0  | 0          | 0            | 3    |
| PL.27390     | PD.616      | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.51   | 2.70         | 1        | 20         | 4    | 98      | 0.00       | 0.0               | 3.585          | 0.041             | 0  | 0          | 0            | 3    |
| PL.519       | PL.27390    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52   | 1.19         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 3.633          | 0.048             | 0  | 0          | 0            | 1    |
| 122816       | PL.519      | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.52   | 1.19         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 3.633          | 0.000             | 9  | 2          | 1            | 1    |
| PL.520       | PL.27390    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.01            | 2.52   | 1.51         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 3.736          | 0.151             | 0  | 0          | 0            | 2    |
| 1229035      | PL.520      | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.52   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.736          | 0.000             | 0  | 0          | 0            | 0    |
| 122901       | PL.520      | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.52   | 0.59         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.736          | 0.000             | 4  | 1          | 1            | 1    |
| PL.830       | PL.520      | B   | 4ACSR              | 7.41Y     | 123.5        | 0.01            | 2.53   | 0.92         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.866          | 0.130             | 0  | 0          | 0            | 1    |
| 122914       | PL.830      | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.53   | 0.92         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.866          | 0.000             | 7  | 1          | 1            | 1    |
| PL.831       | PL.520      | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.829          | 0.093             | 0  | 0          | 0            | 0    |
| PL.832       | PL.831      | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.960          | 0.131             | 0  | 0          | 0            | 0    |
| PL.833       | PL.832      | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.024          | 0.064             | 0  | 0          | 0            | 0    |
| PL.10610     | PL.10130    | B   | 4ACSR              | 7.41Y     | 123.4        | 0.06            | 2.57   | 13.34        | 7        | 97         | 19   | 98      | 0.04       | 0.0               | 3.639          | 0.102             | 0  | 0          | 0            | 29   |
| 122835       | PL.10610    | B   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.57   | 2.03         | 0        | 15         | 3    | 98      | 0.00       | 0.0               | 3.639          | 0.000             | 15 | 3          | 1            | 1    |
| PL.10612     | PL.10610    | B   | 4ACSR              | 7.40Y     | 123.4        | 0.08            | 2.64   | 11.31        | 6        | 82         | 16   | 98      | 0.05       | 0.1               | 3.792          | 0.153             | 0  | 0          | 0            | 28   |
| PL.10127     | PL.10612    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.65   | 11.31        | 6        | 82         | 16   | 98      | 0.01       | 0.0               | 3.816          | 0.025             | 0  | 0          | 0            | 28   |
| 122913       | PL.10127    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.65   | 0.49         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.816          | 0.000             | 4  | 1          | 1            | 1    |
| PL.27396     | PL.10127    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.66   | 1.65         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 3.825          | 0.009             | 0  | 0          | 0            | 3    |
| PD.617       | PL.27396    | B   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.66   | 1.65         | 28       | 12         | 2    | 99      | 0.00       | 0.0               | 3.825          | 0.000             | 0  | 0          | 0            | 3    |
| PL.27397     | PD.617      | B   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.66   | 1.65         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 3.917          | 0.092             | 0  | 0          | 0            | 3    |
| PL.5121      | PL.27397    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.66   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.970          | 0.053             | 0  | 0          | 0            | 1    |
| PL.5105      | PL.5121     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.66   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.149          | 0.179             | 0  | 0          | 0            | 1    |
| 122823       | PL.5105     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.66   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.149          | 0.000             | 0  | 0          | 1            | 1    |
| PL.873       | PL.27397    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.66   | 0.37         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 3.984          | 0.066             | 0  | 0          | 0            | 1    |
| 122903       | PL.873      | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.66   | 0.37         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 3.984          | 0.000             | 3  | 1          | 1            | 1    |
| 122933       | PL.27397    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.66   | 1.28         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 3.917          | 0.000             | 9  | 2          | 1            | 1    |
| PL.27393     | PL.10127    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.66   | 9.16         | 5        | 67         | 13   | 98      | 0.00       | 0.0               | 3.825          | 0.009             | 0  | 0          | 0            | 24   |
| PL.27394     | PL.27393    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.02            | 2.68   | 9.16         | 5        | 67         | 13   | 98      | 0.01       | 0.0               | 3.869          | 0.044             | 0  | 0          | 0            | 24   |
| PD.84-A      | PL.27394    | B   | Closed             | 7.40Y     | 123.3        | 0.00            | 2.68   | 9.16         | 0        | 67         | 13   | 98      | 0.00       | 0.0               | 3.869          | 0.000             | 0  | 0          | 0            | 24   |
| PD.84-B      | PD.84-A     | B   | Closed             | 7.40Y     | 123.3        | 0.00            | 2.68   | 9.16         | 0        | 67         | 13   | 98      | 0.00       | 0.0               | 3.869          | 0.000             | 0  | 0          | 0            | 24   |
| PL.27395     | PD.84-B     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.02            | 2.70   | 9.16         | 5        | 67         | 13   | 98      | 0.01       | 0.0               | 3.921          | 0.052             | 0  | 0          | 0            | 24   |
| PL.27408     | PL.27395    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.70   | 7.73         | 4        | 56         | 11   | 98      | 0.00       | 0.0               | 3.939          | 0.018             | 0  | 0          | 0            | 22   |
| C PD.618     | PL.27408    | B   | fuse6AMP           | 7.40Y     | 123.3        | 0.00            | 2.70   | 7.73         | 132      | 56         | 11   | 98      | 0.00       | 0.0               | 3.939          | 0.000             | 0  | 0          | 0            | 22 C |
| PL.27409     | PD.618      | B   | 4ACSR              | 7.39Y     | 123.1        | 0.16            | 2.86   | 7.73         | 4        | 56         | 11   | 98      | 0.07       | 0.1               | 4.398          | 0.459             | 0  | 0          | 0            | 22   |



Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.40532     | PL.27409    | B   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.86                     | 1.02         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 4.403                               | 0.005 | 0    | 0          | 0            | 2  |
| PD.7211      | PL.40532    | B   | fuse6AMP           | 7.39Y     | 123.1        | 0.00            | 2.86                     | 1.02         | 17       | 7          | 1       | 99         | 0.00      | 0.0               | 4.403                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.40533     | PD.7211     | B   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.86                     | 1.02         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 4.488                               | 0.085 | 0    | 0          | 0            | 2  |
| 122906       | PL.40533    | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.86                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.488                               | 0.000 | 5    | 1          | 1            | 1  |
| 122917       | PL.40533    | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.86                     | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.488                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.10131     | PL.27409    | B   | 4ACSR              | 7.39Y     | 123.1        | 0.01            | 2.87                     | 6.71         | 3        | 49         | 10      | 98         | 0.00      | 0.0               | 4.433                               | 0.035 | 0    | 0          | 0            | 20 |
| PL.43617     | PL.10131    | B   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.87                     | 0.70         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.443                               | 0.011 | 0    | 0          | 0            | 2  |
| PD.8281      | PL.43617    | B   | fuse6AMP           | 7.39Y     | 123.1        | 0.00            | 2.87                     | 0.70         | 12       | 5          | 1       | 98         | 0.00      | 0.0               | 4.443                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.43618     | PD.8281     | B   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.87                     | 0.70         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.474                               | 0.031 | 0    | 0          | 0            | 2  |
| 122909       | PL.43618    | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.87                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.474                               | 0.000 | 0    | 0          | 1            | 1  |
| 122907       | PL.43618    | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.87                     | 0.70         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.474                               | 0.000 | 5    | 1          | 1            | 1  |
| PL.10132     | PL.10131    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.09            | 2.95                     | 6.01         | 3        | 44         | 9       | 98         | 0.03      | 0.1               | 4.756                               | 0.323 | 0    | 0          | 0            | 18 |
| PL.45        | PL.10132    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.03            | 2.98                     | 6.01         | 3        | 44         | 9       | 98         | 0.01      | 0.0               | 4.865                               | 0.109 | 0    | 0          | 0            | 18 |
| PL.43621     | PL.45       | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 2.98                     | 4.92         | 3        | 36         | 7       | 98         | 0.00      | 0.0               | 4.879                               | 0.014 | 0    | 0          | 0            | 12 |
| PL.43625     | PL.43621    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.01            | 3.00                     | 4.92         | 3        | 36         | 7       | 98         | 0.00      | 0.0               | 4.931                               | 0.052 | 0    | 0          | 0            | 12 |
| PD.8283-A    | PL.43625    | B   | Closed             | 7.38Y     | 123.0        | 0.00            | 3.00                     | 4.92         | 0        | 36         | 7       | 98         | 0.00      | 0.0               | 4.931                               | 0.000 | 0    | 0          | 0            | 12 |
| PD.8283-B    | PD.8283-A   | B   | Closed             | 7.38Y     | 123.0        | 0.00            | 3.00                     | 4.92         | 0        | 36         | 7       | 98         | 0.00      | 0.0               | 4.931                               | 0.000 | 0    | 0          | 0            | 12 |
| PL.43626     | PD.8283-B   | B   | 4ACSR              | 7.37Y     | 122.8        | 0.19            | 3.19                     | 4.92         | 3        | 36         | 7       | 98         | 0.05      | 0.1               | 5.823                               | 0.892 | 0    | 0          | 0            | 12 |
| PL.20312     | PL.43626    | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.19                     | 4.14         | 2        | 30         | 6       | 98         | 0.00      | 0.0               | 5.843                               | 0.020 | 0    | 0          | 0            | 6  |
| PD.90-A      | PL.20312    | B   | Closed             | 7.37Y     | 122.8        | 0.00            | 3.19                     | 4.14         | 0        | 30         | 6       | 98         | 0.00      | 0.0               | 5.843                               | 0.000 | 0    | 0          | 0            | 6  |
| PD.90-B      | PD.90-A     | B   | Closed             | 7.37Y     | 122.8        | 0.00            | 3.19                     | 4.14         | 0        | 30         | 6       | 98         | 0.00      | 0.0               | 5.843                               | 0.000 | 0    | 0          | 0            | 6  |
| PL.20313     | PD.90-B     | B   | 4ACSR              | 7.37Y     | 122.8        | 0.02            | 3.21                     | 4.14         | 2        | 30         | 6       | 98         | 0.00      | 0.0               | 5.939                               | 0.096 | 0    | 0          | 0            | 6  |
| PL.5133      | PL.20313    | B   | 4ACSR              | 7.37Y     | 122.8        | 0.01            | 3.22                     | 3.74         | 2        | 27         | 5       | 98         | 0.00      | 0.0               | 5.989                               | 0.050 | 0    | 0          | 0            | 5  |
| PL.8186      | PL.5133     | B   | 4ACSR              | 7.37Y     | 122.8        | 0.01            | 3.23                     | 3.74         | 2        | 27         | 5       | 98         | 0.00      | 0.0               | 6.049                               | 0.060 | 0    | 0          | 0            | 5  |
| PL.8187      | PL.8186     | B   | 4ACSR              | 7.37Y     | 122.8        | 0.01            | 3.23                     | 2.63         | 1        | 19         | 4       | 98         | 0.00      | 0.0               | 6.096                               | 0.048 | 0    | 0          | 0            | 4  |
| 074204       | PL.8187     | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.23                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.096                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.10951     | PL.8187     | B   | 4ACSR              | 7.36Y     | 122.7        | 0.02            | 3.26                     | 2.63         | 1        | 19         | 4       | 98         | 0.00      | 0.0               | 6.301                               | 0.204 | 0    | 0          | 0            | 4  |
| PL.10952     | PL.10951    | B   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.26                     | 1.46         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 6.326                               | 0.025 | 0    | 0          | 0            | 3  |
| 074212       | PL.10952    | B   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.26                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.326                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.8188      | PL.10952    | B   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.27                     | 1.46         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 6.514                               | 0.188 | 0    | 0          | 0            | 3  |
| 074201       | PL.8188     | B   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.27                     | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.514                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.8185      | PL.8188     | B   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.28                     | 1.22         | 1        | 9          | 2       | 98         | 0.00      | 0.0               | 6.701                               | 0.187 | 0    | 0          | 0            | 2  |
| PL.8184      | PL.8185     | B   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.28                     | 0.38         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 6.777                               | 0.076 | 0    | 0          | 0            | 1  |
| 074208       | PL.8184     | B   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.28                     | 0.38         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 6.777                               | 0.000 | 3    | 1          | 1            | 1  |
| 074209       | PL.8185     | B   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.28                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 6.701                               | 0.000 | 6    | 1          | 1            | 1  |
| PL.15085     | PL.10951    | B   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.26                     | 1.17         | 1        | 8          | 2       | 97         | 0.00      | 0.0               | 6.306                               | 0.005 | 0    | 0          | 0            | 1  |
| PD.2133      | PL.15085    | B   | fuse6AMP           | 7.36Y     | 122.7        | 0.00            | 3.26                     | 1.17         | 20       | 8          | 2       | 97         | 0.00      | 0.0               | 6.306                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.15086     | PD.2133     | B   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.26                     | 1.17         | 1        | 8          | 2       | 97         | 0.00      | 0.0               | 6.407                               | 0.101 | 0    | 0          | 0            | 1  |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |   |
| 074202       | PL.15086    | B   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.26                     | 1.17         | 0        | 8          | 2         | 97         | 0.00      | 0.0               | 6.407             | 0.000 | 8          | 2            | 1    | 1 |
| PL.15087     | PL.8186     | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.23                     | 1.10         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 6.055             | 0.006 | 0          | 0            | 0    | 1 |
| PD.2132      | PL.15087    | B   | fuse6AMP           | 7.37Y     | 122.8        | 0.00            | 3.23                     | 1.10         | 19       | 8          | 2         | 97         | 0.00      | 0.0               | 6.055             | 0.000 | 0          | 0            | 0    | 1 |
| PL.15390     | PD.2132     | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.23                     | 1.10         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 6.144             | 0.089 | 0          | 0            | 0    | 1 |
| 0742013      | PL.15390    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.23                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.144             | 0.000 | 0          | 0            | 0    | 0 |
| PL.4467      | PL.15390    | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.23                     | 1.10         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 6.217             | 0.074 | 0          | 0            | 0    | 1 |
| 074210       | PL.4467     | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.23                     | 1.10         | 0        | 8          | 2         | 97         | 0.00      | 0.0               | 6.217             | 0.000 | 8          | 2            | 1    | 1 |
| 074211       | PL.4467     | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.23                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.217             | 0.000 | 0          | 0            | 0    | 0 |
| 124903       | PL.20313    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.21                     | 0.40         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 5.939             | 0.000 | 3          | 1            | 1    | 1 |
| PL.27400     | PL.43626    | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.16         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 5.839             | 0.016 | 0          | 0            | 0    | 3 |
| PD.629       | PL.27400    | B   | fuse6AMP           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.16         | 3        | 1          | 0         | 100        | 0.00      | 0.0               | 5.839             | 0.000 | 0          | 0            | 0    | 3 |
| PL.27401     | PD.629      | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.16         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 5.930             | 0.091 | 0          | 0            | 0    | 3 |
| 123915       | PL.27401    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.930             | 0.000 | 0          | 0            | 1    | 1 |
| 1239018      | PL.27401    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.930             | 0.000 | 0          | 0            | 0    | 0 |
| 1239016      | PL.27401    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.10         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 5.930             | 0.000 | 1          | 0            | 1    | 1 |
| PL.5585      | PL.27401    | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.06         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.980             | 0.049 | 0          | 0            | 0    | 1 |
| PL.335       | PL.5585     | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.06         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.199             | 0.219 | 0          | 0            | 0    | 1 |
| PL.334       | PL.335      | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.06         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.263             | 0.063 | 0          | 0            | 0    | 1 |
| 124901       | PL.334      | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.06         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.263             | 0.000 | 0          | 0            | 1    | 1 |
| 123906       | PL.43626    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.57         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 5.823             | 0.000 | 4          | 1            | 1    | 1 |
| PL.27402     | PL.43626    | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.05         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.851             | 0.028 | 0          | 0            | 0    | 2 |
| PD.628       | PL.27402    | B   | fuse6AMP           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.05         | 1        | 0          | 0         | 100        | 0.00      | 0.0               | 5.851             | 0.000 | 0          | 0            | 0    | 2 |
| PL.27403     | PD.628      | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.05         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.954             | 0.103 | 0          | 0            | 0    | 2 |
| PL.340       | PL.27403    | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.034             | 0.080 | 0          | 0            | 0    | 0 |
| 123904       | PL.27403    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.954             | 0.000 | 0          | 0            | 1    | 1 |
| 123912       | PL.27403    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.19                     | 0.05         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.954             | 0.000 | 0          | 0            | 1    | 1 |
| PL.18321     | PL.45       | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 2.98                     | 1.09         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 4.871             | 0.006 | 0          | 0            | 0    | 6 |
| PD.3312      | PL.18321    | B   | 25V4E              | 7.38Y     | 123.0        | 0.00            | 2.98                     | 1.09         | 4        | 8          | 2         | 97         | 0.00      | 0.0               | 4.871             | 0.000 | 0          | 0            | 0    | 6 |
| PL.43623     | PD.3312     | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 2.98                     | 1.09         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 4.884             | 0.014 | 0          | 0            | 0    | 6 |
| PD.8284-A    | PL.43623    | B   | Closed             | 7.38Y     | 123.0        | 0.00            | 2.98                     | 1.09         | 0        | 8          | 2         | 97         | 0.00      | 0.0               | 4.884             | 0.000 | 0          | 0            | 0    | 6 |
| PD.8284-B    | PD.8284-A   | B   | Closed             | 7.38Y     | 123.0        | 0.00            | 2.98                     | 1.09         | 0        | 8          | 2         | 97         | 0.00      | 0.0               | 4.884             | 0.000 | 0          | 0            | 0    | 6 |
| PL.43624     | PD.8284-B   | B   | 4ACSR              | 7.38Y     | 123.0        | 0.01            | 2.99                     | 1.09         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 5.090             | 0.206 | 0          | 0            | 0    | 6 |
| 123908       | PL.43624    | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.99                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.090             | 0.000 | 0          | 0            | 1    | 1 |
| PL.10133     | PL.43624    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.00                     | 1.09         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 5.145             | 0.055 | 0          | 0            | 0    | 5 |
| PL.40536     | PL.10133    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.00                     | 1.09         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 5.234             | 0.088 | 0          | 0            | 0    | 5 |
| PL.40537     | PL.40536    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.00                     | 1.09         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 5.255             | 0.022 | 0          | 0            | 0    | 5 |
| PL.10135     | PL.40537    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.01            | 3.01                     | 1.09         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 5.420             | 0.165 | 0          | 0            | 0    | 5 |
| PL.40534     | PL.10135    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.424             | 0.004 | 0          | 0            | 0    | 0 |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |           |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PD.7212      | PL.40534    | B   | fuse6AMP           | 7.38Y     | 123.0        | 0.00            | 3.01   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.424                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.40535     | PD.7212     | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.01   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.459                               | 0.035 | 0    | 0          | 0            | 0 |
| 123914       | PL.40535    | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.01   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.459                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.43619     | PL.10135    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.01   | 1.09         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 5.477                               | 0.057 | 0    | 0          | 0            | 5 |
| PD.8282-A    | PL.43619    | B   | Closed             | 7.38Y     | 123.0        | 0.00            | 3.01   | 1.09         | 0        | 8          | 2         | 97         | 0.00      | 0.0               | 5.477                               | 0.000 | 0    | 0          | 0            | 5 |
| PD.8282-B    | PD.8282-A   | B   | Closed             | 7.38Y     | 123.0        | 0.00            | 3.01   | 1.09         | 0        | 8          | 2         | 97         | 0.00      | 0.0               | 5.477                               | 0.000 | 0    | 0          | 0            | 5 |
| PL.43620     | PD.8282-B   | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.01   | 1.09         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 5.519                               | 0.041 | 0    | 0          | 0            | 5 |
| PL.40538     | PL.43620    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.01            | 3.03   | 1.09         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 5.814                               | 0.295 | 0    | 0          | 0            | 5 |
| PD.7215-A    | PL.40538    | B   | Closed             | 7.38Y     | 123.0        | 0.00            | 3.03   | 1.09         | 0        | 8          | 2         | 97         | 0.00      | 0.0               | 5.814                               | 0.000 | 0    | 0          | 0            | 5 |
| PD.7215-B    | PD.7215-A   | B   | Closed             | 7.38Y     | 123.0        | 0.00            | 3.03   | 1.09         | 0        | 8          | 2         | 97         | 0.00      | 0.0               | 5.814                               | 0.000 | 0    | 0          | 0            | 5 |
| PL.40539     | PD.7215-B   | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.03   | 1.09         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 5.850                               | 0.036 | 0    | 0          | 0            | 5 |
| PL.10614     | PL.40539    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.01            | 3.04   | 1.09         | 1        | 8          | 2         | 97         | 0.00      | 0.0               | 6.032                               | 0.182 | 0    | 0          | 0            | 4 |
| PL.10950     | PL.10614    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.01            | 3.05   | 0.89         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 6.318                               | 0.286 | 0    | 0          | 0            | 3 |
| PL.27398     | PL.10950    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.05   | 0.85         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 6.337                               | 0.019 | 0    | 0          | 0            | 2 |
| PD.627       | PL.27398    | B   | fuse6AMP           | 7.38Y     | 123.0        | 0.00            | 3.05   | 0.85         | 14       | 6          | 1         | 99         | 0.00      | 0.0               | 6.337                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.27399     | PD.627      | B   | 4ACSR              | 7.38Y     | 122.9        | 0.01            | 3.06   | 0.85         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 6.703                               | 0.366 | 0    | 0          | 0            | 2 |
| 123911       | PL.27399    | B   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.06   | 0.68         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 6.703                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.5134      | PL.27399    | B   | 4ACSR              | 7.38Y     | 122.9        | 0.00            | 3.06   | 0.16         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 6.880                               | 0.177 | 0    | 0          | 0            | 1 |
| 123913       | PL.5134     | B   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.06   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.880                               | 0.000 | 0    | 0          | 0            | 0 |
| 1239017      | PL.5134     | B   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.06   | 0.16         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 6.880                               | 0.000 | 1    | 0          | 1            | 1 |
| 123901       | PL.10950    | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.05   | 0.04         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.318                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.338       | PL.10614    | B   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.04   | 0.20         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 6.293                               | 0.261 | 0    | 0          | 0            | 1 |
| 123804       | PL.338      | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.04   | 0.20         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 6.293                               | 0.000 | 1    | 0          | 1            | 1 |
| 123805       | PL.40539    | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.03   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 5.850                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.5106      | PL.27395    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.70   | 0.46         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 4.032                               | 0.112 | 0    | 0          | 0            | 1 |
| 122920       | PL.5106     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.70   | 0.46         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 4.032                               | 0.000 | 3    | 1          | 1            | 1 |
| PL.5107      | PL.5106     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.70   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.033                               | 0.000 | 0    | 0          | 0            | 0 |
| 122902       | PL.27395    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.70   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.921                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.5108      | PL.27395    | B   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.70   | 0.97         | 1        | 7          | 1         | 99         | 0.00      | 0.0               | 4.039                               | 0.119 | 0    | 0          | 0            | 1 |
| PL.12125     | PL.5108     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.70   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.123                               | 0.084 | 0    | 0          | 0            | 0 |
| PD.88-A      | PL.12125    | B   | Closed             | 7.40Y     | 123.3        | 0.00            | 2.70   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.123                               | 0.000 | 0    | 0          | 0            | 0 |
| PD.88-B      | PD.88-A     | B   | Closed             | 7.40Y     | 123.3        | 0.00            | 2.70   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.123                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.12126     | PD.88-B     | B   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.70   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.378                               | 0.255 | 0    | 0          | 0            | 0 |
| PD.89-B      | PL.12126    | B   | Open               | 7.40Y     | 123.3        | 0.00            | 2.70   | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 4.378                               | 0.000 | 0    | 0          | 0            | 0 |
| 122904       | PL.5108     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.70   | 0.97         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 4.039                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.27391     | PL.10130    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.51   | 1.44         | 1        | 10         | 2         | 98         | 0.00      | 0.0               | 3.549                               | 0.012 | 0    | 0          | 0            | 1 |
| PD.615       | PL.27391    | B   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.51   | 1.44         | 25       | 10         | 2         | 98         | 0.00      | 0.0               | 3.549                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.27392     | PD.615      | B   | 4ACSR              | 7.41Y     | 123.5        | 0.01            | 2.52   | 1.44         | 1        | 10         | 2         | 98         | 0.00      | 0.0               | 3.693                               | 0.145 | 0    | 0          | 0            | 1 |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.30783     | PL.27392    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.764                               | 0.071 | 0    | 0          | 0            | 0  |
| PL.30782     | PL.30783    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.813                               | 0.049 | 0    | 0          | 0            | 0  |
| 1228039      | PL.30782    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.813                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.30784     | PL.30783    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.866                               | 0.102 | 0    | 0          | 0            | 0  |
| 122824       | PL.30784    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.866                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.829       | PL.27392    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52                     | 1.44         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 3.748                               | 0.055 | 0    | 0          | 0            | 1  |
| 122826       | PL.829      | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.52                     | 1.44         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 3.748                               | 0.000 | 10   | 2          | 1            | 1  |
| 122808       | PL.43612    | B   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.45                     | 1.15         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 3.457                               | 0.000 | 8    | 2          | 1            | 1  |
| PL.43615     | PL.43611    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.45         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.398                               | 0.005 | 0    | 0          | 0            | 1  |
| PD.614       | PL.43615    | B   | fuse6AMP           | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.45         | 8        | 3          | 1       | 95         | 0.00      | 0.0               | 3.398                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.43616     | PD.614      | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.45         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.459                               | 0.060 | 0    | 0          | 0            | 1  |
| 121836       | PL.43616    | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.459                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.43614     | PL.43616    | B   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.45         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.529                               | 0.070 | 0    | 0          | 0            | 1  |
| 121831       | PL.43614    | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.45         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.529                               | 0.000 | 3    | 1          | 1            | 1  |
| 121832       | PL.43614    | B   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.40                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.529                               | 0.000 | 0    | 0          | 0            | 0  |
| 121812       | PL.28531    | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13                     | 0.54         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.075                               | 0.000 | 4    | 1          | 1            | 1  |
| 121813       | PL.28531    | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.13                     | 1.43         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 3.075                               | 0.000 | 10   | 2          | 1            | 1  |
| PL.27385     | PL.27384    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.74                     | 26.79        | 14       | 196        | 39      | 98         | 0.01      | 0.0               | 2.910                               | 0.005 | 0    | 0          | 0            | 38 |
| PD.3311      | PL.27385    | C   | 50L                | 7.46Y     | 124.3        | 0.00            | 1.74                     | 26.79        | 54       | 196        | 39      | 98         | 0.00      | 0.0               | 2.910                               | 0.000 | 0    | 0          | 0            | 38 |
| PL.27386     | PD.3311     | C   | 4ACSR              | 7.42Y     | 123.7        | 0.55            | 2.29                     | 26.79        | 14       | 196        | 39      | 98         | 0.81      | 0.4               | 3.382                               | 0.472 | 0    | 0          | 0            | 38 |
| 121944       | PL.27386    | C   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.29                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.382                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.10688     | PL.27386    | C   | 4ACSR              | 7.42Y     | 123.7        | 0.05            | 2.34                     | 26.79        | 14       | 195        | 39      | 98         | 0.07      | 0.0               | 3.425                               | 0.042 | 0    | 0          | 0            | 38 |
| PL.18424     | PL.10688    | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.34                     | 1.20         | 1        | 9          | 2       | 98         | 0.00      | 0.0               | 3.434                               | 0.009 | 0    | 0          | 0            | 1  |
| PD.622       | PL.18424    | C   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.34                     | 1.20         | 20       | 9          | 2       | 98         | 0.00      | 0.0               | 3.434                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.18425     | PD.622      | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.34                     | 1.20         | 1        | 9          | 2       | 98         | 0.00      | 0.0               | 3.457                               | 0.023 | 0    | 0          | 0            | 1  |
| 121933       | PL.18425    | C   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.34                     | 1.20         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 3.457                               | 0.000 | 9    | 2          | 1            | 1  |
| PL.40287     | PL.18425    | C   | 2ACSR              | 7.42Y     | 123.7        | 0.00            | 2.34                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.481                               | 0.024 | 0    | 0          | 0            | 0  |
| 1219048      | PL.40287    | C   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.34                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.481                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.10689     | PL.10688    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.07            | 2.40                     | 25.59        | 13       | 186        | 37      | 98         | 0.09      | 0.0               | 3.484                               | 0.059 | 0    | 0          | 0            | 37 |
| PL.10690     | PL.10689    | C   | 4ACSR              | 7.41Y     | 123.6        | 0.04            | 2.44                     | 23.95        | 12       | 174        | 35      | 98         | 0.05      | 0.0               | 3.519                               | 0.035 | 0    | 0          | 0            | 36 |
| PL.10691     | PL.10690    | C   | 4ACSR              | 7.40Y     | 123.4        | 0.16            | 2.60                     | 22.77        | 12       | 166        | 33      | 98         | 0.19      | 0.1               | 3.676                               | 0.157 | 0    | 0          | 0            | 34 |
| PL.18949     | PL.10691    | C   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.60                     | 22.77        | 12       | 165        | 33      | 98         | 0.00      | 0.0               | 3.680                               | 0.004 | 0    | 0          | 0            | 34 |
| PD.87-A      | PL.18949    | C   | Closed             | 7.40Y     | 123.4        | 0.00            | 2.60                     | 22.77        | 0        | 165        | 33      | 98         | 0.00      | 0.0               | 3.680                               | 0.000 | 0    | 0          | 0            | 34 |
| PD.87-B      | PD.87-A     | C   | Closed             | 7.40Y     | 123.4        | 0.00            | 2.60                     | 22.77        | 0        | 165        | 33      | 98         | 0.00      | 0.0               | 3.680                               | 0.000 | 0    | 0          | 0            | 34 |
| PL.18948     | PD.87-B     | C   | 4ACSR              | 7.40Y     | 123.4        | 0.01            | 2.62                     | 22.77        | 12       | 165        | 33      | 98         | 0.02      | 0.0               | 3.694                               | 0.014 | 0    | 0          | 0            | 34 |
| PL.10916     | PL.18948    | C   | 4ACSR              | 7.40Y     | 123.4        | 0.03            | 2.64                     | 20.97        | 11       | 152        | 30      | 98         | 0.03      | 0.0               | 3.725                               | 0.031 | 0    | 0          | 0            | 33 |
| PL.10912     | PL.10916    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.65                     | 3.70         | 2        | 27         | 5       | 98         | 0.00      | 0.0               | 3.780                               | 0.055 | 0    | 0          | 0            | 6  |
| PL.10913     | PL.10912    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.66                     | 2.16         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 3.836                               | 0.056 | 0    | 0          | 0            | 4  |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 121927       | PL.10913    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.66                     | 0.37         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 3.836                               | 0.000 | 3    | 1          | 1            | 1         |
| PL.10914     | PL.10913    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.66                     | 1.79         | 1        | 13         | 3    | 97      | 0.00       | 0.0               | 3.902                               | 0.066 | 0    | 0          | 0            | 3         |
| PL.10917     | PL.10914    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.67                     | 1.79         | 1        | 13         | 3    | 97      | 0.00       | 0.0               | 3.971                               | 0.069 | 0    | 0          | 0            | 3         |
| 121904       | PL.10917    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.67                     | 1.34         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 3.971                               | 0.000 | 10   | 2          | 1            | 1         |
| PL.10918     | PL.10917    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.67                     | 0.45         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 4.050                               | 0.079 | 0    | 0          | 0            | 2         |
| PL.10919     | PL.10918    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.67                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.206                               | 0.156 | 0    | 0          | 0            | 1         |
| PL.10922     | PL.10919    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.67                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.284                               | 0.078 | 0    | 0          | 0            | 1         |
| PL.10923     | PL.10922    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.67                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.390                               | 0.106 | 0    | 0          | 0            | 0         |
| PL.869       | PL.10922    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.67                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.321                               | 0.037 | 0    | 0          | 0            | 1         |
| 121943       | PL.869      | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.67                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.321                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.864       | PL.10918    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.67                     | 0.45         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 4.099                               | 0.049 | 0    | 0          | 0            | 1         |
| 121903       | PL.864      | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.67                     | 0.45         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 4.099                               | 0.000 | 3    | 1          | 1            | 1         |
| 121928       | PL.10912    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.65                     | 1.38         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 3.780                               | 0.000 | 10   | 2          | 1            | 1         |
| 121910       | PL.10912    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.65                     | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.780                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.10915     | PL.10916    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.02            | 2.67                     | 17.27        | 9        | 125        | 25   | 98      | 0.02       | 0.0               | 3.757                               | 0.032 | 0    | 0          | 0            | 27        |
| PL.10911     | PL.10915    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.04            | 2.71                     | 17.27        | 9        | 125        | 25   | 98      | 0.03       | 0.0               | 3.805                               | 0.048 | 0    | 0          | 0            | 27        |
| PL.10910     | PL.10911    | C   | 4ACSR              | 7.40Y     | 123.3        | 0.03            | 2.73                     | 17.21        | 9        | 125        | 25   | 98      | 0.03       | 0.0               | 3.842                               | 0.037 | 0    | 0          | 0            | 26        |
| PL.10693     | PL.10910    | C   | 4ACSR              | 7.39Y     | 123.2        | 0.04            | 2.77                     | 15.13        | 8        | 110        | 22   | 98      | 0.03       | 0.0               | 3.896                               | 0.054 | 0    | 0          | 0            | 25        |
| 121940       | PL.10693    | C   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.77                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.896                               | 0.000 | 0    | 0          | 0            | 0         |
| 121930       | PL.10693    | C   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.77                     | 0.37         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 3.896                               | 0.000 | 3    | 1          | 1            | 1         |
| 121915       | PL.10693    | C   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.77                     | 0.47         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 3.896                               | 0.000 | 3    | 1          | 1            | 1         |
| 121941       | PL.10693    | C   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.77                     | 0.22         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.896                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.10692     | PL.10693    | C   | 4ACSR              | 7.39Y     | 123.1        | 0.09            | 2.86                     | 14.07        | 7        | 102        | 20   | 98      | 0.07       | 0.1               | 4.041                               | 0.145 | 0    | 0          | 0            | 22        |
| 121919       | PL.10692    | C   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.86                     | 1.38         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 4.041                               | 0.000 | 10   | 2          | 1            | 1         |
| PL.8548      | PL.10692    | C   | 4ACSR              | 7.39Y     | 123.1        | 0.04            | 2.89                     | 11.16        | 6        | 81         | 16   | 98      | 0.02       | 0.0               | 4.113                               | 0.072 | 0    | 0          | 0            | 18        |
| PL.8547      | PL.8548     | C   | 4ACSR              | 7.38Y     | 123.1        | 0.04            | 2.93                     | 11.16        | 6        | 81         | 16   | 98      | 0.02       | 0.0               | 4.192                               | 0.079 | 0    | 0          | 0            | 18        |
| 121908       | PL.8547     | C   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.93                     | 1.20         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 4.192                               | 0.000 | 9    | 2          | 1            | 1         |
| PL.5126      | PL.8547     | C   | 1/0ACSR            | 7.38Y     | 123.1        | 0.01            | 2.94                     | 9.96         | 3        | 72         | 14   | 98      | 0.01       | 0.0               | 4.246                               | 0.054 | 0    | 0          | 0            | 17        |
| 121946       | PL.5126     | C   | Consumer           | 7.38Y     | 123.1        | 0.00            | 2.94                     | 0.05         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.246                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.10921     | PL.5126     | C   | 1/0ACSR            | 7.38Y     | 123.0        | 0.01            | 2.96                     | 9.92         | 3        | 72         | 14   | 98      | 0.01       | 0.0               | 4.306                               | 0.060 | 0    | 0          | 0            | 16        |
| 1219047      | PL.10921    | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.96                     | 0.07         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.306                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.10920     | PL.10921    | C   | 1/0ACSR            | 7.38Y     | 123.0        | 0.03            | 2.99                     | 8.58         | 3        | 62         | 12   | 98      | 0.01       | 0.0               | 4.481                               | 0.176 | 0    | 0          | 0            | 13        |
| PL.40526     | PL.10920    | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 2.99                     | 0.92         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.486                               | 0.005 | 0    | 0          | 0            | 3         |
| PD.7208      | PL.40526    | C   | fuse6AMP           | 7.38Y     | 123.0        | 0.00            | 2.99                     | 0.92         | 16       | 7          | 1    | 99      | 0.00       | 0.0               | 4.486                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.40527     | PD.7208     | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 2.99                     | 0.92         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.546                               | 0.059 | 0    | 0          | 0            | 3         |
| PL.863       | PL.40527    | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 2.99                     | 0.40         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 4.602                               | 0.057 | 0    | 0          | 0            | 2         |
| 121906       | PL.863      | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.99                     | 0.40         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 4.602                               | 0.000 | 3    | 1          | 1            | 1         |
| 121931       | PL.863      | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.99                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.602                               | 0.000 | 0    | 0          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 121909       | PL.40527    | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.99   | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.546                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.5111      | PL.10920    | C   | 1/0ACSR            | 7.38Y     | 123.0        | 0.01            | 3.00   | 5.25         | 2        | 38         | 8       | 98         | 0.00      | 0.0               | 4.570                               | 0.088 | 0    | 0          | 0            | 6 |
| 121916       | PL.5111     | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.00   | 0.35         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.570                               | 0.000 | 3    | 1          | 1            | 1 |
| PL.36        | PL.5111     | C   | 4ACSR              | 7.38Y     | 123.0        | 0.01            | 3.01   | 4.89         | 3        | 35         | 7       | 98         | 0.00      | 0.0               | 4.608                               | 0.038 | 0    | 0          | 0            | 5 |
| PL.19664     | PL.36       | C   | 1/0ACSR            | 7.38Y     | 123.0        | 0.02            | 3.03   | 4.89         | 1        | 35         | 7       | 98         | 0.00      | 0.0               | 4.767                               | 0.159 | 0    | 0          | 0            | 5 |
| PL.19663     | PL.19664    | C   | 1/0ACSR            | 7.38Y     | 123.0        | 0.01            | 3.04   | 4.89         | 1        | 35         | 7       | 98         | 0.00      | 0.0               | 4.865                               | 0.098 | 0    | 0          | 0            | 5 |
| PD.506-A     | PL.19663    | C   | Closed             | 7.38Y     | 123.0        | 0.00            | 3.04   | 4.89         | 0        | 35         | 7       | 98         | 0.00      | 0.0               | 4.865                               | 0.000 | 0    | 0          | 0            | 5 |
| PD.506-B     | PD.506-A    | C   | Closed             | 7.38Y     | 123.0        | 0.00            | 3.04   | 4.89         | 0        | 35         | 7       | 98         | 0.00      | 0.0               | 4.865                               | 0.000 | 0    | 0          | 0            | 5 |
| PL.17434     | PD.506-B    | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.04   | 4.89         | 3        | 35         | 7       | 98         | 0.00      | 0.0               | 4.871                               | 0.005 | 0    | 0          | 0            | 5 |
| 071214       | PL.17434    | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.04   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.871                               | 0.000 | 0    | 0          | 0            | 0 |
| 071213       | PL.17434    | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.04   | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.871                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.11754     | PL.17434    | C   | 1/0ACSR            | 7.38Y     | 123.0        | 0.01            | 3.05   | 4.87         | 1        | 35         | 7       | 98         | 0.00      | 0.0               | 4.950                               | 0.079 | 0    | 0          | 0            | 4 |
| PL.11752     | PL.11754    | C   | 1/0ACSR            | 7.38Y     | 123.0        | 0.00            | 3.05   | 3.15         | 1        | 23         | 5       | 98         | 0.00      | 0.0               | 4.989                               | 0.039 | 0    | 0          | 0            | 2 |
| 071209       | PL.11752    | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.05   | 1.46         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 4.989                               | 0.000 | 11   | 2          | 1            | 1 |
| 071211       | PL.11752    | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.05   | 1.69         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 4.989                               | 0.000 | 12   | 2          | 1            | 1 |
| PL.27087     | PL.11752    | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 3.05   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.071                               | 0.081 | 0    | 0          | 0            | 0 |
| PD.505-B     | PL.27087    | C   | Open               | 7.38Y     | 123.0        | 0.00            | 3.05   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.071                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.24272     | PL.11754    | C   | 4ACSR              | 7.38Y     | 122.9        | 0.00            | 3.05   | 1.73         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 5.012                               | 0.062 | 0    | 0          | 0            | 2 |
| 071215       | PL.24272    | C   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.05   | 0.60         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 5.012                               | 0.000 | 4    | 1          | 1            | 1 |
| 0712041      | PL.24272    | C   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.05   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.012                               | 0.000 | 0    | 0          | 0            | 0 |
| 071226       | PL.24272    | C   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.05   | 1.13         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 5.012                               | 0.000 | 8    | 2          | 1            | 1 |
| 121911       | PL.10920    | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.99   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.481                               | 0.000 | 0    | 0          | 1            | 1 |
| 121912       | PL.10920    | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.99   | 1.39         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 4.481                               | 0.000 | 10   | 2          | 1            | 1 |
| 121942       | PL.10920    | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.99   | 1.01         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.481                               | 0.000 | 7    | 1          | 1            | 1 |
| 121925       | PL.10920    | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.99   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.481                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.40524     | PL.10921    | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 2.96   | 1.27         | 1        | 9          | 2       | 98         | 0.00      | 0.0               | 4.311                               | 0.006 | 0    | 0          | 0            | 2 |
| PD.7207      | PL.40524    | C   | fuse6AMP           | 7.38Y     | 123.0        | 0.00            | 2.96   | 1.27         | 22       | 9          | 2       | 98         | 0.00      | 0.0               | 4.311                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.40525     | PD.7207     | C   | 4ACSR              | 7.38Y     | 123.0        | 0.00            | 2.96   | 1.27         | 1        | 9          | 2       | 98         | 0.00      | 0.0               | 4.377                               | 0.066 | 0    | 0          | 0            | 2 |
| 121924       | PL.40525    | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.96   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.377                               | 0.000 | 0    | 0          | 1            | 1 |
| 121917       | PL.40525    | C   | Consumer           | 7.38Y     | 123.0        | 0.00            | 2.96   | 1.24         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 4.377                               | 0.000 | 9    | 2          | 1            | 1 |
| PL.40522     | PL.10692    | C   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.86   | 0.58         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.048                               | 0.007 | 0    | 0          | 0            | 1 |
| PD.7206      | PL.40522    | C   | fuse6AMP           | 7.39Y     | 123.1        | 0.00            | 2.86   | 0.58         | 10       | 4          | 1       | 97         | 0.00      | 0.0               | 4.048                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.40523     | PD.7206     | C   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.86   | 0.58         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.091                               | 0.044 | 0    | 0          | 0            | 1 |
| 121914       | PL.40523    | C   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.86   | 0.58         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.091                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.40520     | PL.10692    | C   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.86   | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.045                               | 0.004 | 0    | 0          | 0            | 2 |
| PD.7205      | PL.40520    | C   | fuse6AMP           | 7.39Y     | 123.1        | 0.00            | 2.86   | 0.94         | 16       | 7          | 1       | 99         | 0.00      | 0.0               | 4.045                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.40521     | PD.7205     | C   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.86   | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.153                               | 0.108 | 0    | 0          | 0            | 2 |
| 121913       | PL.40521    | C   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.86   | 0.92         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.153                               | 0.000 | 7    | 1          | 1            | 1 |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 121929       | PL.40521    | C   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.86                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.153                               | 0.000 | 0    | 0          | 1            | 1 |
| 121932       | PL.10910    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.73                     | 2.08         | 0        | 15         | 3       | 98         | 0.00      | 0.0               | 3.842                               | 0.000 | 15   | 3          | 1            | 1 |
| 121936       | PL.10911    | C   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.71                     | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.805                               | 0.000 | 0    | 0          | 1            | 1 |
| 121938       | PL.18948    | C   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.62                     | 1.80         | 0        | 13         | 3       | 97         | 0.00      | 0.0               | 3.694                               | 0.000 | 13   | 3          | 1            | 1 |
| PL.18946     | PL.10690    | C   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.44                     | 1.18         | 1        | 9          | 2       | 98         | 0.00      | 0.0               | 3.529                               | 0.010 | 0    | 0          | 0            | 2 |
| PD.623       | PL.18946    | C   | fuse6AMP           | 7.41Y     | 123.6        | 0.00            | 2.44                     | 1.18         | 20       | 9          | 2       | 98         | 0.00      | 0.0               | 3.529                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.18947     | PD.623      | C   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.44                     | 1.18         | 1        | 9          | 2       | 98         | 0.00      | 0.0               | 3.567                               | 0.038 | 0    | 0          | 0            | 2 |
| 121922       | PL.18947    | C   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.44                     | 1.15         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 3.567                               | 0.000 | 8    | 2          | 1            | 1 |
| 121935       | PL.18947    | C   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.44                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.567                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.5124      | PL.10689    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.41                     | 1.64         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 3.505                               | 0.021 | 0    | 0          | 0            | 1 |
| PL.5125      | PL.5124     | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.507                               | 0.002 | 0    | 0          | 0            | 0 |
| 121945       | PL.5124     | C   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.41                     | 1.64         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 3.505                               | 0.000 | 12   | 2          | 1            | 1 |
| 121829       | PL.10686    | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.11                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.884                               | 0.000 | 0    | 0          | 1            | 1 |
| 121816       | PL.10686    | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.11                     | 0.95         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.884                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.27381     | PL.10685    | B   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.10                     | 1.97         | 1        | 13         | 6       | 91         | 0.00      | 0.0               | 2.873                               | 0.015 | 0    | 0          | 0            | 1 |
| PD.621       | PL.27381    | B   | fuse6AMP           | 7.43Y     | 123.9        | 0.00            | 2.10                     | 1.97         | 34       | 13         | 6       | 91         | 0.00      | 0.0               | 2.873                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.27382     | PD.621      | B   | 4ACSR              | 7.43Y     | 123.9        | 0.00            | 2.10                     | 1.97         | 1        | 13         | 6       | 91         | 0.00      | 0.0               | 2.889                               | 0.016 | 0    | 0          | 0            | 1 |
| 121810       | PL.27382    | B   | Consumer           | 7.43Y     | 123.9        | 0.00            | 2.10                     | 1.97         | 0        | 13         | 6       | 91         | 0.00      | 0.0               | 2.889                               | 0.000 | 13   | 6          | 1            | 1 |
| 121809       | PL.10684    | B   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.08                     | 0.18         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.775                               | 0.000 | 1    | 0          | 1            | 1 |
| 121806       | PL.10684    | B   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.08                     | 0.34         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.775                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.27379     | PL.10683    | A   | 4ACSR              | 7.38Y     | 122.9        | 0.00            | 3.08                     | 1.48         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 2.709                               | 0.024 | 0    | 0          | 0            | 2 |
| PD.609       | PL.27379    | A   | fuse6AMP           | 7.38Y     | 122.9        | 0.00            | 3.08                     | 1.48         | 25       | 11         | 2       | 98         | 0.00      | 0.0               | 2.709                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.27380     | PD.609      | A   | 4ACSR              | 7.38Y     | 122.9        | 0.00            | 3.08                     | 1.48         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 2.733                               | 0.023 | 0    | 0          | 0            | 2 |
| 121819       | PL.27380    | A   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.08                     | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.733                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.5112      | PL.27380    | A   | 4ACSR              | 7.38Y     | 122.9        | 0.01            | 3.08                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.885                               | 0.152 | 0    | 0          | 0            | 1 |
| 121825       | PL.5112     | A   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.08                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.885                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.17225     | PL.5113     | B   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.442                               | 0.014 | 0    | 0          | 0            | 0 |
| PD.608       | PL.17225    | B   | fuse6AMP           | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.442                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.17226     | PD.608      | B   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.464                               | 0.023 | 0    | 0          | 0            | 0 |
| 120820       | PL.10680    | B   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.95                     | 3.16         | 0        | 23         | 5       | 98         | 0.00      | 0.0               | 2.342                               | 0.000 | 23   | 5          | 1            | 1 |
| 120816       | PL.10679    | B   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.92                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.256                               | 0.000 | 0    | 0          | 1            | 1 |
| 120810       | PL.10679    | B   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.92                     | 0.99         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.256                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.20437     | PL.10678    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.29                     | 1.77         | 1        | 13         | 3       | 97         | 0.00      | 0.0               | 2.156                               | 0.016 | 0    | 0          | 0            | 2 |
| PD.603       | PL.20437    | C   | fuse6AMP           | 7.48Y     | 124.7        | 0.00            | 1.29                     | 1.77         | 30       | 13         | 3       | 97         | 0.00      | 0.0               | 2.156                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.20438     | PD.603      | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.29                     | 1.77         | 1        | 13         | 3       | 97         | 0.00      | 0.0               | 2.187                               | 0.031 | 0    | 0          | 0            | 2 |
| 120814       | PL.20438    | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.29                     | 1.22         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 2.187                               | 0.000 | 9    | 2          | 1            | 1 |
| 120823       | PL.20438    | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.29                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.187                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.17219     | PL.10677    | C   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.24                     | 1.11         | 1        | 8          | 2       | 97         | 0.00      | 0.0               | 2.076                               | 0.013 | 0    | 0          | 0            | 1 |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PD.611       | PL.17219    | C   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.24   | 1.11         | 19       | 8          | 2       | 97         | 0.00      | 0.0               | 2.076                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.17220     | PD.611      | C   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.24   | 1.11         | 1        | 8          | 2       | 97         | 0.00      | 0.0               | 2.139                               | 0.062 | 0    | 0          | 0            | 1 |
| 120821       | PL.17220    | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.24   | 1.11         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 2.139                               | 0.000 | 8    | 2          | 1            | 1 |
| 120818       | PL.10675    | B   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.82   | 0.22         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.978                               | 0.000 | 2    | 0          | 1            | 1 |
| 120802       | PL.10675    | B   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.82   | 1.88         | 0        | 14         | 3       | 98         | 0.00      | 0.0               | 1.978                               | 0.000 | 14   | 3          | 1            | 1 |
| PL.17211     | PL.25967    | C   | 4ACSR              | 7.49Y     | 124.9        | 0.00            | 1.09   | 3.81         | 2        | 28         | 6       | 98         | 0.00      | 0.0               | 1.845                               | 0.014 | 0    | 0          | 0            | 4 |
| PD.602       | PL.17211    | C   | fuse6AMP           | 7.49Y     | 124.9        | 0.00            | 1.09   | 3.81         | 65       | 28         | 6       | 98         | 0.00      | 0.0               | 1.845                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.17212     | PD.602      | C   | 4ACSR              | 7.49Y     | 124.9        | 0.01            | 1.11   | 3.81         | 2        | 28         | 6       | 98         | 0.00      | 0.0               | 1.927                               | 0.082 | 0    | 0          | 0            | 4 |
| 120827       | PL.17212    | C   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.11   | 0.07         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.927                               | 0.000 | 1    | 0          | 1            | 1 |
| 120811       | PL.17212    | C   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.11   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.927                               | 0.000 | 0    | 0          | 0            | 0 |
| 120815       | PL.17212    | C   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.11   | 1.32         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 1.927                               | 0.000 | 10   | 2          | 1            | 1 |
| 120805       | PL.17212    | C   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.11   | 0.89         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.927                               | 0.000 | 7    | 1          | 1            | 1 |
| 120807       | PL.17212    | C   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.11   | 1.52         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 1.927                               | 0.000 | 11   | 2          | 1            | 1 |
| 069842       | PL.8011     | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.72   | 1.64         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.740                               | 0.000 | 12   | 2          | 1            | 1 |
| PL.17233     | PL.10874    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.93   | 2.45         | 1        | 18         | 4       | 98         | 0.00      | 0.0               | 1.614                               | 0.013 | 0    | 0          | 0            | 2 |
| PD.3166      | PL.17233    | C   | fuse6AMP           | 7.50Y     | 125.1        | 0.00            | 0.93   | 2.45         | 42       | 18         | 4       | 98         | 0.00      | 0.0               | 1.614                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.17234     | PD.3166     | C   | 4ACSR              | 7.50Y     | 125.1        | 0.01            | 0.94   | 2.45         | 1        | 18         | 4       | 98         | 0.00      | 0.0               | 1.690                               | 0.076 | 0    | 0          | 0            | 2 |
| PL.7988      | PL.17234    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.01            | 0.95   | 1.42         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 1.808                               | 0.119 | 0    | 0          | 0            | 1 |
| 069847       | PL.7988     | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.95   | 1.42         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 1.808                               | 0.000 | 10   | 2          | 1            | 1 |
| 069808       | PL.17234    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94   | 1.04         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 1.690                               | 0.000 | 8    | 2          | 1            | 1 |
| 069850       | PL.11021    | B   | Consumer           | 7.47Y     | 124.4        | 0.00            | 1.56   | 1.48         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 1.561                               | 0.000 | 11   | 2          | 1            | 1 |
| 069723       | PL.11015    | B   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.12   | 1.56         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 1.199                               | 0.000 | 11   | 2          | 1            | 1 |
| 069751       | PL.24771    | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.42   | 0.38         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 1.072                               | 0.000 | 3    | 1          | 1            | 1 |
| 069750       | PL.24771    | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.42   | 1.41         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 1.072                               | 0.000 | 10   | 2          | 1            | 1 |
| PL.17241     | PL.11003    | A   | 4ACSR              | 7.49Y     | 124.9        | 0.00            | 1.14   | 0.81         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.931                               | 0.013 | 0    | 0          | 0            | 2 |
| PD.3144      | PL.17241    | A   | fuse6AMP           | 7.49Y     | 124.9        | 0.00            | 1.14   | 0.81         | 14       | 6          | 1       | 99         | 0.00      | 0.0               | 0.931                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.17242     | PD.3144     | A   | 4ACSR              | 7.49Y     | 124.9        | 0.00            | 1.14   | 0.81         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.965                               | 0.034 | 0    | 0          | 0            | 2 |
| 069731       | PL.17242    | A   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.14   | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.965                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.25194     | PL.17242    | A   | 4ACSR              | 7.49Y     | 124.9        | 0.00            | 1.14   | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.005                               | 0.040 | 0    | 0          | 0            | 1 |
| 069733       | PL.25194    | A   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.14   | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.005                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.17239     | PL.11003    | C   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.50   | 3.66         | 2        | 27         | 5       | 98         | 0.00      | 0.0               | 0.933                               | 0.015 | 0    | 0          | 0            | 3 |
| PD.3130      | PL.17239    | C   | fuse6AMP           | 7.53Y     | 125.5        | 0.00            | 0.50   | 3.66         | 62       | 27         | 5       | 98         | 0.00      | 0.0               | 0.933                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.17240     | PD.3130     | C   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.50   | 3.66         | 2        | 27         | 5       | 98         | 0.00      | 0.0               | 0.945                               | 0.012 | 0    | 0          | 0            | 3 |
| PL.11005     | PL.17240    | C   | 4ACSR              | 7.53Y     | 125.5        | 0.01            | 0.51   | 2.09         | 1        | 15         | 3       | 98         | 0.00      | 0.0               | 1.012                               | 0.066 | 0    | 0          | 0            | 2 |
| 069721       | PL.11005    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51   | 1.43         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 1.012                               | 0.000 | 11   | 2          | 1            | 1 |
| 069729       | PL.11005    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51   | 0.66         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.012                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.4148      | PL.17240    | C   | 4ACSR              | 7.53Y     | 125.5        | 0.01            | 0.51   | 1.57         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 1.047                               | 0.101 | 0    | 0          | 0            | 1 |
| 069744       | PL.4148     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51   | 1.57         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.047                               | 0.000 | 12   | 2          | 1            | 1 |



Unbalanced Voltage Drop Report
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for various elements like 069712, 068764, P CP.33, etc.

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| 068753       | PL.26869    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.455                               | 0.000 | 0    | 0          | 1            | 1    |
| PL.25896     | PL.26868    | B   | 4ACSR              | 7.51Y     | 125.2        | 0.28            | 0.79                     | 31.18        | 16       | 230        | 48      | 98         | 0.47      | 0.2               | 0.624                               | 0.204 | 0    | 0          | 0            | 57   |
| PL.26871     | PL.25896    | B   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.79                     | 0.86         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.637                               | 0.013 | 0    | 0          | 0            | 1    |
| PD.3147      | PL.26871    | B   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.79                     | 0.86         | 15       | 6          | 1       | 99         | 0.00      | 0.0               | 0.637                               | 0.000 | 0    | 0          | 0            | 1    |
| PL.26872     | PD.3147     | B   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.79                     | 0.86         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.755                               | 0.117 | 0    | 0          | 0            | 1    |
| 068704       | PL.26872    | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.79                     | 0.86         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.755                               | 0.000 | 6    | 1          | 1            | 1    |
| PL.25897     | PL.25896    | B   | 4ACSR              | 7.50Y     | 125.0        | 0.26            | 1.04                     | 30.32        | 16       | 223        | 46      | 98         | 0.42      | 0.2               | 0.816                               | 0.192 | 0    | 0          | 0            | 55   |
| PL.26873     | PL.25897    | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.830                               | 0.014 | 0    | 0          | 0            | 1    |
| PD.3148      | PL.26873    | B   | fuse6AMP           | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.13         | 2        | 1          | 0       | 100        | 0.00      | 0.0               | 0.830                               | 0.000 | 0    | 0          | 0            | 1    |
| PL.26874     | PD.3148     | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.931                               | 0.101 | 0    | 0          | 0            | 1    |
| PL.24389     | PL.26874    | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.014                               | 0.083 | 0    | 0          | 0            | 1    |
| PL.24390     | PL.24389    | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.115                               | 0.100 | 0    | 0          | 0            | 1    |
| 068741       | PL.24390    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.115                               | 0.000 | 1    | 0          | 1            | 1    |
| PL.24388     | PL.24390    | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.04                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.239                               | 0.124 | 0    | 0          | 0            | 0    |
| PL.26875     | PL.25897    | B   | 4ACSR              | 7.49Y     | 124.8        | 0.20            | 1.24                     | 30.19        | 16       | 222        | 46      | 98         | 0.33      | 0.1               | 0.966                               | 0.149 | 0    | 0          | 0            | 54   |
| C PD.3149    | PL.26875    | B   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.24                     | 30.19        | 516      | 221        | 45      | 98         | 0.00      | 0.0               | 0.966                               | 0.000 | 0    | 0          | 0            | 54 C |
| PL.26876     | PD.3149     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.02            | 1.26                     | 30.19        | 16       | 221        | 45      | 98         | 0.04      | 0.0               | 0.982                               | 0.016 | 0    | 0          | 0            | 54   |
| PL.24391     | PL.26876    | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.26                     | 0.08         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.027                               | 0.045 | 0    | 0          | 0            | 1    |
| 067704       | PL.24391    | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.26                     | 0.08         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.027                               | 0.000 | 1    | 0          | 1            | 1    |
| PL.24764     | PL.26876    | B   | 4ACSR              | 7.46Y     | 124.3        | 0.41            | 1.67                     | 30.11        | 16       | 221        | 45      | 98         | 0.68      | 0.3               | 1.295                               | 0.313 | 0    | 0          | 0            | 53   |
| 067710       | PL.24764    | B   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.67                     | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.295                               | 0.000 | 0    | 0          | 1            | 1    |
| PL.26877     | PL.24764    | B   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.68                     | 30.05        | 15       | 220        | 45      | 98         | 0.02      | 0.0               | 1.302                               | 0.007 | 0    | 0          | 0            | 52   |
| PD.2144-A    | PL.26877    | B   | Closed             | 7.46Y     | 124.3        | 0.00            | 1.68                     | 30.05        | 0        | 220        | 45      | 98         | 0.00      | 0.0               | 1.302                               | 0.000 | 0    | 0          | 0            | 52   |
| PD.2144-B    | PD.2144-A   | B   | Closed             | 7.46Y     | 124.3        | 0.00            | 1.68                     | 30.05        | 0        | 220        | 45      | 98         | 0.00      | 0.0               | 1.302                               | 0.000 | 0    | 0          | 0            | 52   |
| PL.26878     | PD.2144-B   | B   | 4ACSR              | 7.45Y     | 124.2        | 0.14            | 1.82                     | 30.05        | 15       | 220        | 45      | 98         | 0.22      | 0.1               | 1.406                               | 0.104 | 0    | 0          | 0            | 52   |
| 067703       | PL.26878    | B   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.82                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.406                               | 0.000 | 0    | 0          | 1            | 1    |
| PL.41439     | PL.26878    | B   | 4ACSR              | 7.45Y     | 124.1        | 0.06            | 1.88                     | 29.17        | 15       | 213        | 43      | 98         | 0.09      | 0.0               | 1.450                               | 0.045 | 0    | 0          | 0            | 50   |
| PL.41440     | PL.41439    | B   | 4ACSR              | 7.44Y     | 124.1        | 0.06            | 1.93                     | 29.17        | 15       | 213        | 43      | 98         | 0.09      | 0.0               | 1.495                               | 0.044 | 0    | 0          | 0            | 50   |
| 067701       | PL.41440    | B   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.93                     | 0.47         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 1.495                               | 0.000 | 3    | 1          | 1            | 1    |
| PL.25197     | PL.41440    | B   | 4ACSR              | 7.43Y     | 123.9        | 0.17            | 2.10                     | 28.70        | 15       | 209        | 42      | 98         | 0.26      | 0.1               | 1.629                               | 0.134 | 0    | 0          | 0            | 49   |
| PL.25899     | PL.25197    | B   | 4ACSR              | 7.43Y     | 123.8        | 0.09            | 2.19                     | 27.31        | 14       | 199        | 40      | 98         | 0.13      | 0.1               | 1.702                               | 0.074 | 0    | 0          | 0            | 48   |
| 067606       | PL.25899    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.19                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.702                               | 0.000 | 2    | 0          | 1            | 1    |
| 067613       | PL.25899    | B   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.19                     | 0.04         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.702                               | 0.000 | 0    | 0          | 1            | 1    |
| PL.25900     | PL.25899    | B   | 4ACSR              | 7.42Y     | 123.7        | 0.07            | 2.26                     | 26.98        | 14       | 196        | 40      | 98         | 0.11      | 0.1               | 1.763                               | 0.061 | 0    | 0          | 0            | 46   |
| PL.25901     | PL.25900    | B   | 4ACSR              | 7.41Y     | 123.6        | 0.16            | 2.42                     | 25.36        | 13       | 185        | 37      | 98         | 0.21      | 0.1               | 1.903                               | 0.140 | 0    | 0          | 0            | 45   |
| 067609       | PL.25901    | B   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.42                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.903                               | 0.000 | 0    | 0          | 1            | 1    |
| PL.24765     | PL.25901    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.06            | 2.48                     | 25.35        | 13       | 184        | 37      | 98         | 0.09      | 0.0               | 1.959                               | 0.057 | 0    | 0          | 0            | 44   |
| PL.27103     | PL.24765    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.968                               | 0.009 | 0    | 0          | 0            | 1    |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PD.3153      | PL.27103    | B   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.55         | 9        | 4          | 1       | 97         | 0.00      | 0.0               | 1.968                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.27104     | PD.3153     | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.006                               | 0.038 | 0    | 0          | 0            | 1  |
| 067605       | PL.27104    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.48                     | 0.55         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.006                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.27105     | PL.24765    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.48                     | 3.36         | 2        | 24         | 5       | 98         | 0.00      | 0.0               | 1.976                               | 0.017 | 0    | 0          | 0            | 7  |
| PD.3152      | PL.27105    | B   | fuse6AMP           | 7.41Y     | 123.5        | 0.00            | 2.48                     | 3.36         | 57       | 24         | 5       | 98         | 0.00      | 0.0               | 1.976                               | 0.000 | 0    | 0          | 0            | 7  |
| PL.27106     | PD.3152     | B   | 4ACSR              | 7.41Y     | 123.5        | 0.03            | 2.51                     | 3.36         | 2        | 24         | 5       | 98         | 0.00      | 0.0               | 2.158                               | 0.181 | 0    | 0          | 0            | 7  |
| PL.4144      | PL.27106    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.51                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.239                               | 0.082 | 0    | 0          | 0            | 1  |
| 067604       | PL.4144     | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.51                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.239                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.10103     | PL.27106    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.01            | 2.52                     | 1.98         | 1        | 14         | 3       | 98         | 0.00      | 0.0               | 2.322                               | 0.164 | 0    | 0          | 0            | 5  |
| PL.10104     | PL.10103    | B   | 4ACSR              | 7.41Y     | 123.4        | 0.04            | 2.56                     | 1.97         | 1        | 14         | 3       | 98         | 0.00      | 0.0               | 2.752                               | 0.430 | 0    | 0          | 0            | 4  |
| PL.3897      | PL.10104    | B   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.56                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.793                               | 0.041 | 0    | 0          | 0            | 1  |
| 067616       | PL.3897     | B   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.56                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.793                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.9686      | PL.10104    | B   | 4ACSR              | 7.40Y     | 123.4        | 0.04            | 2.60                     | 1.97         | 1        | 14         | 3       | 98         | 0.00      | 0.0               | 3.248                               | 0.497 | 0    | 0          | 0            | 3  |
| 068617       | PL.9686     | B   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.60                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.248                               | 0.000 | 7    | 1          | 1            | 1  |
| 068601       | PL.9686     | B   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.60                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.248                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.24762     | PL.9686     | B   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.61                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.317                               | 0.069 | 0    | 0          | 0            | 1  |
| 068621       | PL.24762    | B   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.61                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.317                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.24393     | PL.10103    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.504                               | 0.182 | 0    | 0          | 0            | 1  |
| PL.24395     | PL.24393    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.542                               | 0.038 | 0    | 0          | 0            | 1  |
| PL.24394     | PL.24395    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.664                               | 0.122 | 0    | 0          | 0            | 0  |
| PL.24392     | PL.24394    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.761                               | 0.096 | 0    | 0          | 0            | 0  |
| PL.4143      | PL.24395    | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.744                               | 0.201 | 0    | 0          | 0            | 1  |
| PL.4145      | PL.4143     | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.865                               | 0.121 | 0    | 0          | 0            | 1  |
| 067614       | PL.4145     | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.865                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.4146      | PL.4143     | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.864                               | 0.120 | 0    | 0          | 0            | 0  |
| PL.24406     | PL.4146     | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.52                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.919                               | 0.055 | 0    | 0          | 0            | 0  |
| 067615       | PL.27106    | B   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.51                     | 1.11         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 2.158                               | 0.000 | 8    | 2          | 1            | 1  |
| PL.362       | PL.24765    | B   | 4ACSR              | 7.41Y     | 123.4        | 0.07            | 2.56                     | 21.44        | 11       | 156        | 31      | 98         | 0.09      | 0.1               | 2.039                               | 0.079 | 0    | 0          | 0            | 36 |
| PL.9687      | PL.362      | B   | 4ACSR              | 7.41Y     | 123.4        | 0.02            | 2.57                     | 21.44        | 11       | 156        | 31      | 98         | 0.02      | 0.0               | 2.059                               | 0.020 | 0    | 0          | 0            | 36 |
| PL.27107     | PL.9687     | B   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.57                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.070                               | 0.012 | 0    | 0          | 0            | 1  |
| PD.2722      | PL.27107    | B   | fuse6AMP           | 7.41Y     | 123.4        | 0.00            | 2.57                     | 0.05         | 1        | 0          | 0       | 100        | 0.00      | 0.0               | 2.070                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.45981     | PD.2722     | B   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.57                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.128                               | 0.058 | 0    | 0          | 0            | 1  |
| PL.45982     | PL.45981    | B   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.57                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.129                               | 0.001 | 0    | 0          | 0            | 1  |
| 066614       | PL.45982    | B   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.57                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.129                               | 0.000 | 0    | 0          | 1            | 1  |
| 0666016      | PL.45981    | B   | Consumer           | 7.41Y     | 123.4        | 0.00            | 2.57                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.128                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.41441     | PL.9687     | B   | 4ACSR              | 7.41Y     | 123.4        | 0.01            | 2.58                     | 21.39        | 11       | 155        | 31      | 98         | 0.01      | 0.0               | 2.067                               | 0.009 | 0    | 0          | 0            | 35 |
| PD.7439-A    | PL.41441    | B   | Closed             | 7.41Y     | 123.4        | 0.00            | 2.58                     | 21.39        | 0        | 155        | 31      | 98         | 0.00      | 0.0               | 2.067                               | 0.000 | 0    | 0          | 0            | 35 |
| PD.7439-B    | PD.7439-A   | B   | Closed             | 7.41Y     | 123.4        | 0.00            | 2.58                     | 21.39        | 0        | 155        | 31      | 98         | 0.00      | 0.0               | 2.067                               | 0.000 | 0    | 0          | 0            | 35 |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |     |      | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | Length<br>(mi) | Element |    | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|-----|------|---------|------------|-----------|-------------------|----------------|---------|----|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | KW  | KVAR |         |            |           |                   |                |         |    |            |              |
| PL.41442     | PD.7439-B   | B   | 4ACSR              | 7.39Y     | 123.1        | 0.29            | 2.87   | 21.39        | 11       | 155        | 31   | 98  | 0.33 | 0.2     | 2.372      | 0.305     | 0                 | 0              | 0       | 35 |            |              |
| PL.27109     | PL.41442    | B   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.87   | 20.85        | 11       | 151        | 30   | 98  | 0.00 | 0.0     | 2.377      | 0.004     | 0                 | 0              | 0       | 33 |            |              |
| PD.2405-A    | PL.27109    | B   | Closed             | 7.39Y     | 123.1        | 0.00            | 2.87   | 20.85        | 0        | 151        | 30   | 98  | 0.00 | 0.0     | 2.377      | 0.000     | 0                 | 0              | 0       | 33 |            |              |
| PD.2405-B    | PD.2405-A   | B   | Closed             | 7.39Y     | 123.1        | 0.00            | 2.87   | 20.85        | 0        | 151        | 30   | 98  | 0.00 | 0.0     | 2.377      | 0.000     | 0                 | 0              | 0       | 33 |            |              |
| PL.27110     | PD.2405-B   | B   | 4ACSR              | 7.36Y     | 122.6        | 0.50            | 3.37   | 20.85        | 11       | 151        | 30   | 98  | 0.57 | 0.4     | 2.924      | 0.547     | 0                 | 0              | 0       | 33 |            |              |
| PL.27113     | PL.27110    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.37   | 0.00         | 0        | 0          | 0    | 100 | 0.00 | 0.0     | 2.953      | 0.029     | 0                 | 0              | 0       | 1  |            |              |
| PD.2724      | PL.27113    | B   | fuse6AMP           | 7.36Y     | 122.6        | 0.00            | 3.37   | 0.00         | 0        | 0          | 0    | 100 | 0.00 | 0.0     | 2.953      | 0.000     | 0                 | 0              | 0       | 1  |            |              |
| PL.27114     | PD.2724     | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.37   | 0.00         | 0        | 0          | 0    | 100 | 0.00 | 0.0     | 3.187      | 0.234     | 0                 | 0              | 0       | 1  |            |              |
| PL.4266      | PL.27114    | B   | 4ACSR              | 7.36Y     | 122.6        | 0.00            | 3.37   | 0.00         | 0        | 0          | 0    | 100 | 0.00 | 0.0     | 3.227      | 0.040     | 0                 | 0              | 0       | 0  |            |              |
| 066613       | PL.27114    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.37   | 0.00         | 0        | 0          | 0    | 100 | 0.00 | 0.0     | 3.187      | 0.000     | 0                 | 0              | 1       | 1  |            |              |
| 066601       | PL.27114    | B   | Consumer           | 7.36Y     | 122.6        | 0.00            | 3.37   | 0.00         | 0        | 0          | 0    | 100 | 0.00 | 0.0     | 3.187      | 0.000     | 0                 | 0              | 0       | 0  |            |              |
| PL.9689      | PL.27110    | B   | 4ACSR              | 7.35Y     | 122.6        | 0.07            | 3.44   | 20.85        | 11       | 150        | 30   | 98  | 0.08 | 0.1     | 2.997      | 0.073     | 0                 | 0              | 0       | 32 |            |              |
| PL.41445     | PL.9689     | B   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.44   | 0.95         | 0        | 7          | 1    | 99  | 0.00 | 0.0     | 3.004      | 0.007     | 0                 | 0              | 0       | 2  |            |              |
| PD.7441      | PL.41445    | B   | fuse6AMP           | 7.35Y     | 122.6        | 0.00            | 3.44   | 0.95         | 16       | 7          | 1    | 99  | 0.00 | 0.0     | 3.004      | 0.000     | 0                 | 0              | 0       | 2  |            |              |
| PL.41446     | PD.7441     | B   | 4ACSR              | 7.35Y     | 122.6        | 0.00            | 3.44   | 0.95         | 0        | 7          | 1    | 99  | 0.00 | 0.0     | 3.069      | 0.065     | 0                 | 0              | 0       | 2  |            |              |
| 066611       | PL.41446    | B   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.44   | 0.95         | 0        | 7          | 1    | 99  | 0.00 | 0.0     | 3.069      | 0.000     | 7                 | 1              | 1       | 1  |            |              |
| 066612       | PL.41446    | B   | Consumer           | 7.35Y     | 122.6        | 0.00            | 3.44   | 0.00         | 0        | 0          | 0    | 100 | 0.00 | 0.0     | 3.069      | 0.000     | 0                 | 0              | 1       | 1  |            |              |
| PL.27115     | PL.9689     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.04            | 3.48   | 19.90        | 10       | 144        | 29   | 98  | 0.05 | 0.0     | 3.045      | 0.048     | 0                 | 0              | 0       | 30 |            |              |
| PD.3603      | PL.27115    | B   | 25L                | 7.35Y     | 122.5        | 0.00            | 3.48   | 19.90        | 80       | 144        | 29   | 98  | 0.00 | 0.0     | 3.045      | 0.000     | 0                 | 0              | 0       | 30 |            |              |
| PL.27116     | PD.3603     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.22            | 3.70   | 19.90        | 10       | 144        | 29   | 98  | 0.24 | 0.2     | 3.302      | 0.257     | 0                 | 0              | 0       | 30 |            |              |
| PL.16445     | PL.27116    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.72   | 15.26        | 8        | 110        | 22   | 98  | 0.01 | 0.0     | 3.321      | 0.020     | 0                 | 0              | 0       | 24 |            |              |
| PD.2160-A    | PL.16445    | B   | Closed             | 7.34Y     | 122.3        | 0.00            | 3.72   | 15.26        | 0        | 110        | 22   | 98  | 0.00 | 0.0     | 3.321      | 0.000     | 0                 | 0              | 0       | 24 |            |              |
| PD.2160-B    | PD.2160-A   | B   | Closed             | 7.34Y     | 122.3        | 0.00            | 3.72   | 15.26        | 0        | 110        | 22   | 98  | 0.00 | 0.0     | 3.321      | 0.000     | 0                 | 0              | 0       | 24 |            |              |
| PL.16446     | PD.2160-B   | B   | 4ACSR              | 7.33Y     | 122.2        | 0.08            | 3.79   | 15.26        | 8        | 110        | 22   | 98  | 0.06 | 0.1     | 3.435      | 0.113     | 0                 | 0              | 0       | 24 |            |              |
| PL.7931      | PL.16446    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.79   | 0.39         | 0        | 3          | 1    | 95  | 0.00 | 0.0     | 3.471      | 0.036     | 0                 | 0              | 0       | 2  |            |              |
| PL.7932      | PL.7931     | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.79   | 0.37         | 0        | 3          | 1    | 95  | 0.00 | 0.0     | 3.497      | 0.026     | 0                 | 0              | 0       | 1  |            |              |
| 065601       | PL.7932     | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.79   | 0.37         | 0        | 3          | 1    | 95  | 0.00 | 0.0     | 3.497      | 0.000     | 3                 | 1              | 1       | 1  |            |              |
| 065617       | PL.7931     | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.79   | 0.02         | 0        | 0          | 0    | 100 | 0.00 | 0.0     | 3.471      | 0.000     | 0                 | 0              | 1       | 1  |            |              |
| PL.9694      | PL.16446    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.04            | 3.84   | 14.87        | 8        | 107        | 21   | 98  | 0.04 | 0.0     | 3.502      | 0.067     | 0                 | 0              | 0       | 22 |            |              |
| PL.9695      | PL.9694     | B   | 4ACSR              | 7.33Y     | 122.1        | 0.06            | 3.90   | 14.36        | 7        | 103        | 20   | 98  | 0.05 | 0.0     | 3.604      | 0.102     | 0                 | 0              | 0       | 21 |            |              |
| PL.7937      | PL.9695     | B   | 4ACSR              | 7.32Y     | 122.0        | 0.08            | 3.98   | 13.31        | 7        | 96         | 19   | 98  | 0.06 | 0.1     | 3.741      | 0.137     | 0                 | 0              | 0       | 18 |            |              |
| PL.10105     | PL.7937     | B   | 4ACSR              | 7.31Y     | 121.8        | 0.19            | 4.17   | 12.63        | 7        | 91         | 18   | 98  | 0.13 | 0.1     | 4.080      | 0.338     | 0                 | 0              | 0       | 16 |            |              |
| PL.10106     | PL.10105    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.03            | 4.20   | 10.34        | 5        | 74         | 15   | 98  | 0.02 | 0.0     | 4.146      | 0.067     | 0                 | 0              | 0       | 14 |            |              |
| 065605       | PL.10106    | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.20   | 0.00         | 0        | 0          | 0    | 100 | 0.00 | 0.0     | 4.146      | 0.000     | 0                 | 0              | 0       | 0  |            |              |
| PL.16434     | PL.10106    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.20   | 0.53         | 0        | 4          | 1    | 97  | 0.00 | 0.0     | 4.154      | 0.008     | 0                 | 0              | 0       | 3  |            |              |
| PD.2721      | PL.16434    | B   | fuse6AMP           | 7.31Y     | 121.8        | 0.00            | 4.20   | 0.53         | 9        | 4          | 1    | 97  | 0.00 | 0.0     | 4.154      | 0.000     | 0                 | 0              | 0       | 3  |            |              |
| PL.16435     | PD.2721     | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.20   | 0.53         | 0        | 4          | 1    | 97  | 0.00 | 0.0     | 4.229      | 0.075     | 0                 | 0              | 0       | 3  |            |              |
| PL.4260      | PL.16435    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.20   | 0.49         | 0        | 3          | 1    | 95  | 0.00 | 0.0     | 4.292      | 0.063     | 0                 | 0              | 0       | 2  |            |              |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.4261      | PL.4260     | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.20                     | 0.49         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.405                               | 0.113 | 0    | 0          | 0            | 2  |
| 065631       | PL.4261     | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.20                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.405                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.4265      | PL.4261     | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.20                     | 0.48         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.483                               | 0.078 | 0    | 0          | 0            | 1  |
| 065615       | PL.4265     | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.20                     | 0.48         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.483                               | 0.000 | 3    | 1          | 1            | 1  |
| 065604       | PL.16435    | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.20                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.229                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.16436     | PL.10106    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.20                     | 9.81         | 5        | 70         | 14      | 98         | 0.00      | 0.0               | 4.157                               | 0.011 | 0    | 0          | 0            | 11 |
| PD.7420-A    | PL.16436    | B   | Closed             | 7.31Y     | 121.8        | 0.00            | 4.20                     | 9.81         | 0        | 70         | 14      | 98         | 0.00      | 0.0               | 4.157                               | 0.000 | 0    | 0          | 0            | 11 |
| PD.7420-B    | PD.7420-A   | B   | Closed             | 7.31Y     | 121.8        | 0.00            | 4.20                     | 9.81         | 0        | 70         | 14      | 98         | 0.00      | 0.0               | 4.157                               | 0.000 | 0    | 0          | 0            | 11 |
| PL.16437     | PD.7420-B   | B   | 4ACSR              | 7.31Y     | 121.8        | 0.04            | 4.24                     | 9.81         | 5        | 70         | 14      | 98         | 0.02      | 0.0               | 4.251                               | 0.094 | 0    | 0          | 0            | 11 |
| 065607       | PL.16437    | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.24                     | 0.21         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.251                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.41399     | PL.16437    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.24                     | 0.35         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.258                               | 0.007 | 0    | 0          | 0            | 1  |
| PD.7421      | PL.41399    | B   | fuse6AMP           | 7.31Y     | 121.8        | 0.00            | 4.24                     | 0.35         | 6        | 2          | 0       | 100        | 0.00      | 0.0               | 4.258                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.41400     | PD.7421     | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.24                     | 0.35         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.338                               | 0.080 | 0    | 0          | 0            | 1  |
| 065606       | PL.41400    | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.24                     | 0.35         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.338                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.31042     | PL.16437    | B   | 4ACSR              | 7.30Y     | 121.6        | 0.14            | 4.38                     | 9.25         | 5        | 66         | 13      | 98         | 0.07      | 0.1               | 4.597                               | 0.347 | 0    | 0          | 0            | 9  |
| PL.31043     | PL.31042    | B   | 4ACSR              | 7.30Y     | 121.6        | 0.02            | 4.40                     | 8.23         | 4        | 59         | 12      | 98         | 0.01      | 0.0               | 4.659                               | 0.061 | 0    | 0          | 0            | 8  |
| 065711       | PL.31043    | B   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.40                     | 1.19         | 0        | 8          | 2       | 97         | 0.00      | 0.0               | 4.659                               | 0.000 | 8    | 2          | 1            | 1  |
| PL.7933      | PL.31043    | B   | 4ACSR              | 7.29Y     | 121.6        | 0.02            | 4.42                     | 7.05         | 4        | 50         | 10      | 98         | 0.01      | 0.0               | 4.720                               | 0.061 | 0    | 0          | 0            | 7  |
| 065701       | PL.7933     | B   | Consumer           | 7.29Y     | 121.6        | 0.00            | 4.42                     | 0.51         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.720                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.7930      | PL.7933     | B   | 4ACSR              | 7.29Y     | 121.5        | 0.03            | 4.45                     | 6.54         | 3        | 47         | 9       | 98         | 0.01      | 0.0               | 4.817                               | 0.097 | 0    | 0          | 0            | 6  |
| PL.41430     | PL.7930     | B   | 4ACSR              | 7.29Y     | 121.5        | 0.04            | 4.49                     | 6.54         | 3        | 47         | 9       | 98         | 0.01      | 0.0               | 4.942                               | 0.125 | 0    | 0          | 0            | 5  |
| PL.41431     | PL.41430    | B   | 4ACSR              | 7.29Y     | 121.5        | 0.06            | 4.54                     | 3.75         | 2        | 27         | 5       | 98         | 0.01      | 0.0               | 5.284                               | 0.342 | 0    | 0          | 0            | 4  |
| 066709       | PL.41431    | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.54                     | 1.60         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 5.284                               | 0.000 | 11   | 2          | 1            | 1  |
| PL.7929      | PL.41431    | B   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.55                     | 2.15         | 1        | 15         | 3       | 98         | 0.00      | 0.0               | 5.332                               | 0.048 | 0    | 0          | 0            | 3  |
| PL.41237     | PL.7929     | B   | 4ACSR              | 7.29Y     | 121.4        | 0.01            | 4.56                     | 1.39         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 5.568                               | 0.236 | 0    | 0          | 0            | 1  |
| PL.41436     | PL.41237    | B   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.56                     | 1.39         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 5.572                               | 0.004 | 0    | 0          | 0            | 1  |
| PD.7436      | PL.41436    | B   | fuse6AMP           | 7.29Y     | 121.4        | 0.00            | 4.56                     | 1.39         | 24       | 10         | 2       | 98         | 0.00      | 0.0               | 5.572                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.41435     | PD.7436     | B   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.56                     | 1.39         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 5.616                               | 0.044 | 0    | 0          | 0            | 1  |
| 066715       | PL.41435    | B   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.56                     | 1.39         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 5.616                               | 0.000 | 10   | 2          | 1            | 1  |
| PL.41236     | PL.41237    | B   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.56                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.625                               | 0.057 | 0    | 0          | 0            | 0  |
| PD.7241-B    | PL.41236    | B   | Open               | 7.29Y     | 121.4        | 0.00            | 4.56                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.625                               | 0.000 | 0    | 0          | 0            | 0  |
| 066704       | PL.7929     | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.55                     | 0.76         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.332                               | 0.000 | 5    | 1          | 1            | 1  |
| 066708       | PL.7929     | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.55                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.332                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.41433     | PL.41430    | B   | 2ACSR              | 7.29Y     | 121.5        | 0.00            | 4.49                     | 2.79         | 1        | 20         | 4       | 98         | 0.00      | 0.0               | 4.946                               | 0.004 | 0    | 0          | 0            | 1  |
| PD.7435      | PL.41433    | B   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.49                     | 2.79         | 48       | 20         | 4       | 98         | 0.00      | 0.0               | 4.946                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.41434     | PD.7435     | B   | 2ACSR              | 7.29Y     | 121.5        | 0.00            | 4.49                     | 2.79         | 1        | 20         | 4       | 98         | 0.00      | 0.0               | 4.972                               | 0.026 | 0    | 0          | 0            | 1  |
| PL.41432     | PL.41434    | B   | 1/0EPRJCN          | 7.29Y     | 121.5        | 0.00            | 4.49                     | 2.79         | 1        | 20         | 4       | 98         | 0.00      | 0.0               | 5.003                               | 0.031 | 0    | 0          | 0            | 1  |
| 0667018      | PL.41432    | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.49                     | 2.79         | 0        | 20         | 4       | 98         | 0.00      | 0.0               | 5.003                               | 0.000 | 20   | 4          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 066701       | PL.7930     | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.45                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.817                               | 0.000 | 0    | 0          | 1            | 1 |
| 066702       | PL.7930     | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.45                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.817                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.41401     | PL.31042    | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.38                     | 1.02         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 4.603                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.7422      | PL.41401    | B   | fuse6AMP           | 7.30Y     | 121.6        | 0.00            | 4.38                     | 1.02         | 17       | 7          | 1       | 99         | 0.00      | 0.0               | 4.603                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.41402     | PD.7422     | B   | 4ACSR              | 7.30Y     | 121.6        | 0.00            | 4.39                     | 1.02         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 4.679                               | 0.076 | 0    | 0          | 0            | 1 |
| 0657033      | PL.41402    | B   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.39                     | 1.02         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.679                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.41397     | PL.10105    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.17                     | 2.29         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 4.085                               | 0.006 | 0    | 0          | 0            | 2 |
| PD.7419      | PL.41397    | B   | fuse6AMP           | 7.31Y     | 121.8        | 0.00            | 4.17                     | 2.29         | 39       | 16         | 3       | 98         | 0.00      | 0.0               | 4.085                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.41398     | PD.7419     | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.17                     | 2.29         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 4.130                               | 0.045 | 0    | 0          | 0            | 2 |
| 065624       | PL.41398    | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.17                     | 1.31         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 4.130                               | 0.000 | 9    | 2          | 1            | 1 |
| PL.7935      | PL.41398    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.01            | 4.18                     | 0.98         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 4.264                               | 0.134 | 0    | 0          | 0            | 1 |
| 065603       | PL.7935     | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.18                     | 0.98         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.264                               | 0.000 | 7    | 1          | 1            | 1 |
| 065627       | PL.7937     | B   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.741                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.41395     | PL.7937     | B   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 3.98                     | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.750                               | 0.009 | 0    | 0          | 0            | 1 |
| PL.41393     | PL.41395    | B   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 3.98                     | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.836                               | 0.086 | 0    | 0          | 0            | 1 |
| 065602       | PL.41393    | B   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.98                     | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.836                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.41396     | PL.41395    | B   | 4ACSR              | 7.32Y     | 122.0        | 0.00            | 3.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.813                               | 0.063 | 0    | 0          | 0            | 0 |
| 065622       | PL.9695     | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.90                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.604                               | 0.000 | 0    | 0          | 0            | 0 |
| 065625       | PL.9695     | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.90                     | 0.58         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.604                               | 0.000 | 4    | 1          | 1            | 1 |
| 065620       | PL.9695     | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.90                     | 0.46         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.604                               | 0.000 | 3    | 1          | 1            | 1 |
| 065629       | PL.9695     | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.90                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.604                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.24415     | PL.9694     | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.84                     | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.592                               | 0.091 | 0    | 0          | 0            | 1 |
| 065619       | PL.24415    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.84                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.592                               | 0.000 | 0    | 0          | 0            | 0 |
| 065612       | PL.24415    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.84                     | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.592                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.9690      | PL.27116    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.02            | 3.72                     | 4.64         | 2        | 33         | 7       | 98         | 0.00      | 0.0               | 3.390                               | 0.088 | 0    | 0          | 0            | 6 |
| PL.24402     | PL.9690     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.73                     | 1.73         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 3.465                               | 0.075 | 0    | 0          | 0            | 1 |
| PL.3827      | PL.24402    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.73                     | 1.73         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 3.535                               | 0.071 | 0    | 0          | 0            | 1 |
| 065558       | PL.3827     | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.73                     | 1.73         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 3.535                               | 0.000 | 12   | 2          | 1            | 1 |
| PL.3828      | PL.24402    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.73                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.465                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.16447     | PL.9690     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.72                     | 2.76         | 1        | 20         | 4       | 98         | 0.00      | 0.0               | 3.419                               | 0.029 | 0    | 0          | 0            | 4 |
| PD.2725      | PL.16447    | B   | fuse6AMP           | 7.34Y     | 122.3        | 0.00            | 3.72                     | 2.76         | 47       | 20         | 4       | 98         | 0.00      | 0.0               | 3.419                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.16448     | PD.2725     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.01            | 3.74                     | 2.76         | 1        | 20         | 4       | 98         | 0.00      | 0.0               | 3.503                               | 0.084 | 0    | 0          | 0            | 4 |
| PL.4454      | PL.16448    | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.74                     | 2.76         | 1        | 20         | 4       | 98         | 0.00      | 0.0               | 3.535                               | 0.032 | 0    | 0          | 0            | 4 |
| PL.4455      | PL.4454     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.74                     | 2.38         | 1        | 17         | 3       | 98         | 0.00      | 0.0               | 3.560                               | 0.025 | 0    | 0          | 0            | 3 |
| PL.24400     | PL.4455     | B   | 4ACSR              | 7.34Y     | 122.3        | 0.00            | 3.75                     | 2.38         | 1        | 17         | 3       | 98         | 0.00      | 0.0               | 3.594                               | 0.034 | 0    | 0          | 0            | 3 |
| PL.24401     | PL.24400    | B   | 4ACSR              | 7.33Y     | 122.2        | 0.00            | 3.75                     | 0.90         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.719                               | 0.126 | 0    | 0          | 0            | 1 |
| 066615       | PL.24401    | B   | Consumer           | 7.33Y     | 122.2        | 0.00            | 3.75                     | 0.90         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.719                               | 0.000 | 6    | 1          | 1            | 1 |
| 065626       | PL.24400    | B   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.75                     | 1.46         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 3.594                               | 0.000 | 11   | 2          | 1            | 1 |

Unbalanced Voltage Drop Report
Source: TRAPP

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Summary table with columns: Load, Adjustment, Capacitance, Charging, Gen&Motors, Loops&Metas, Losses, No Load Losses, Total. Rows for KW and KVAR.

Lowest Voltage Highest Accumulated Voltage Drop Highest Element Voltage Drop





Unbalanced Voltage Drop Report
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 3 (TREEHAVEN3) Beginning with Device PD.3925.

Unbalanced Voltage Drop Report
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for various elements like 662107, 662104, etc., and a section for Feeder No. 1.

----- Feeder No. 1 (TREEHAVEN1) Beginning with Device PD.3924 -----

Unbalanced Voltage Drop Report
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PD.3924, PL.32927, PL.20176, etc.

Unbalanced Voltage Drop Report
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.25561, 660401, PL.10081, etc.

----- Feeder No. 4 (TREEHAVEN4) Beginning with Device PD.3926 -----

Unbalanced Voltage Drop Report  
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | Element   |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-----------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss | KW |            |              | KVAR |
| PD.3926      | PL.32930    | A   | VWVE               | 7.56Y     | 126.0        | 0.00            | -0.00                    | 52.78        | 0        | 364        | 163  | 91      | 0.00       | 0.0               | 0.005          | 0.000     | 0  | 0          | 0            | 50   |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.00            | 0.01                     | 89.06        | 0        | 561        | 372  | 83      |            |                   |                |           | 0  | 0          | 0            | 65   |
|              |             | C   |                    | 7.56Y     | 126.0        | 0.00            | 0.01                     | 137.09       | 0        | 819        | 636  | 79      |            |                   |                |           | 0  | 0          | 0            | 89   |
| PL.32931     | PD.3926     | A   | 336ACSR            | 7.56Y     | 126.0        | -0.01           | -0.01                    | 52.78        | 7        | 364        | 163  | 91      | 1.35       | 0.1               | 0.159          | 0.153     | 0  | 0          | 0            | 50   |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.16            | 0.17                     | 89.06        | 12       | 561        | 372  | 83      |            |                   |                |           | 0  | 0          | 0            | 65   |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.26            | 0.27                     | 137.09       | 19       | 819        | 636  | 79      |            |                   |                |           | 0  | 0          | 0            | 89   |
| PL.8784      | PL.32931    | A   | 1/0ACSR            | 7.56Y     | 126.0        | 0.04            | 0.03                     | 48.93        | 15       | 343        | 140  | 93      | 0.64       | 0.1               | 0.213          | 0.054     | 0  | 0          | 0            | 48   |
|              |             | B   |                    | 7.54Y     | 125.7        | 0.12            | 0.29                     | 89.11        | 27       | 561        | 372  | 83      |            |                   |                |           | 0  | 0          | 0            | 65   |
|              |             | C   |                    | 7.54Y     | 125.7        | 0.04            | 0.32                     | 55.56        | 17       | 381        | 174  | 91      |            |                   |                |           | 0  | 0          | 0            | 42   |
| PL.9215      | PL.8784     | A   | 1/0ACSR            | 7.55Y     | 125.9        | 0.09            | 0.12                     | 48.81        | 15       | 342        | 139  | 93      | 1.07       | 0.1               | 0.316          | 0.103     | 0  | 0          | 0            | 47   |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.20            | 0.49                     | 82.52        | 25       | 525        | 335  | 84      |            |                   |                |           | 0  | 0          | 0            | 60   |
|              |             | C   |                    | 7.54Y     | 125.6        | 0.07            | 0.39                     | 50.88        | 15       | 355        | 146  | 92      |            |                   |                |           | 0  | 0          | 0            | 38   |
| 665306       | PL.9215     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.74         | 0        | 4          | 4    | 71      | 0.00       | 0.0               | 0.316          | 0.000     | 4  | 4          | 1            | 1    |
| 665305       | PL.9215     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 1.50         | 0        | 8          | 8    | 71      | 0.00       | 0.0               | 0.316          | 0.000     | 8  | 8          | 1            | 1    |
| 665307       | PL.9215     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 2.13         | 0        | 11         | 12   | 68      | 0.00       | 0.0               | 0.316          | 0.000     | 11 | 12         | 1            | 1    |
| 665326       | PL.9215     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49                     | 0.21         | 0        | 1          | 1    | 71      | 0.00       | 0.0               | 0.316          | 0.000     | 1  | 1          | 1            | 1    |
| PL.9214      | PL.9215     | A   | 1/0ACSR            | 7.55Y     | 125.8        | 0.04            | 0.16                     | 48.81        | 15       | 341        | 139  | 93      | 0.47       | 0.0               | 0.365          | 0.049     | 0  | 0          | 0            | 47   |
|              |             | B   |                    | 7.53Y     | 125.4        | 0.09            | 0.57                     | 78.08        | 24       | 500        | 309  | 85      |            |                   |                |           | 0  | 0          | 0            | 56   |
|              |             | C   |                    | 7.53Y     | 125.6        | 0.04            | 0.42                     | 50.88        | 15       | 355        | 146  | 92      |            |                   |                |           | 0  | 0          | 0            | 38   |
| PL.29458     | PL.9214     | A   | 1/0EPRJCN          | 7.55Y     | 125.8        | 0.00            | 0.16                     | 17.76        | 9        | 92         | 97   | 69      | 0.00       | 0.0               | 0.367          | 0.002     | 0  | 0          | 0            | 18   |
| C PD.2961    | PL.29458    | A   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.16                     | 17.76        | 303      | 92         | 97   | 69      | 0.00       | 0.0               | 0.367          | 0.000     | 0  | 0          | 0            | 18 C |
| PL.29459     | PD.2961     | A   | 1/0EPRJCN          | 7.55Y     | 125.8        | 0.02            | 0.18                     | 17.76        | 9        | 92         | 97   | 69      | 0.02       | 0.0               | 0.421          | 0.054     | 0  | 0          | 0            | 18   |
| PL.29403     | PL.29459    | A   | 1/0EPRJCN          | 7.55Y     | 125.8        | 0.01            | 0.18                     | 10.93        | 6        | 57         | 60   | 69      | 0.01       | 0.0               | 0.459          | 0.037     | 0  | 0          | 0            | 11   |
| PL.29404     | PL.29403    | A   | 1/0EPRJCN          | 7.55Y     | 125.8        | 0.00            | 0.19                     | 6.41         | 3        | 33         | 35   | 69      | 0.00       | 0.0               | 0.497          | 0.038     | 0  | 0          | 0            | 5    |
| 665412       | PL.29404    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 0.48         | 0        | 2          | 3    | 55      | 0.00       | 0.0               | 0.497          | 0.000     | 2  | 3          | 1            | 1    |
| 665417       | PL.29404    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 3.45         | 0        | 18         | 19   | 69      | 0.00       | 0.0               | 0.497          | 0.000     | 18 | 19         | 1            | 1    |
| 665416       | PL.29404    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 0.83         | 0        | 4          | 5    | 62      | 0.00       | 0.0               | 0.497          | 0.000     | 4  | 5          | 1            | 1    |
| 665418       | PL.29404    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 0.88         | 0        | 5          | 5    | 71      | 0.00       | 0.0               | 0.497          | 0.000     | 5  | 5          | 1            | 1    |
| 665426       | PL.29404    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 0.80         | 0        | 4          | 4    | 71      | 0.00       | 0.0               | 0.497          | 0.000     | 4  | 4          | 1            | 1    |
| 665410       | PL.29403    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 1.76         | 0        | 9          | 10   | 67      | 0.00       | 0.0               | 0.459          | 0.000     | 9  | 10         | 1            | 1    |
| 665414       | PL.29403    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.16         | 0        | 1          | 1    | 71      | 0.00       | 0.0               | 0.459          | 0.000     | 1  | 1          | 1            | 1    |
| 665413       | PL.29403    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.37         | 0        | 2          | 2    | 71      | 0.00       | 0.0               | 0.459          | 0.000     | 2  | 2          | 1            | 1    |
| 665411       | PL.29403    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.35         | 0        | 2          | 2    | 71      | 0.00       | 0.0               | 0.459          | 0.000     | 2  | 2          | 1            | 1    |
| 665409       | PL.29403    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.32         | 0        | 2          | 2    | 71      | 0.00       | 0.0               | 0.459          | 0.000     | 2  | 2          | 1            | 1    |
| 665415       | PL.29403    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 1.58         | 0        | 8          | 9    | 66      | 0.00       | 0.0               | 0.459          | 0.000     | 8  | 9          | 1            | 1    |
| 665308       | PL.29459    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 1.66         | 0        | 9          | 9    | 71      | 0.00       | 0.0               | 0.421          | 0.000     | 9  | 9          | 1            | 1    |
| 665311       | PL.29459    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.57         | 0        | 3          | 3    | 71      | 0.00       | 0.0               | 0.421          | 0.000     | 3  | 3          | 1            | 1    |
| 665313       | PL.29459    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 1.01         | 0        | 5          | 6    | 64      | 0.00       | 0.0               | 0.421          | 0.000     | 5  | 6          | 1            | 1    |
| 665314       | PL.29459    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.30         | 0        | 2          | 2    | 71      | 0.00       | 0.0               | 0.421          | 0.000     | 2  | 2          | 1            | 1    |
| 665310       | PL.29459    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.421          | 0.000     | 0  | 0          | 0            | 0    |
| 665309       | PL.29459    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.33         | 0        | 2          | 2    | 71      | 0.00       | 0.0               | 0.421          | 0.000     | 2  | 2          | 1            | 1    |
| 665315       | PL.29459    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 2.52         | 0        | 13         | 14   | 68      | 0.00       | 0.0               | 0.421          | 0.000     | 13 | 14         | 1            | 1    |
| 665312       | PL.29459    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.47         | 0        | 2          | 3    | 55      | 0.00       | 0.0               | 0.421          | 0.000     | 2  | 3          | 1            | 1    |

Unbalanced Voltage Drop Report  
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | Length<br>(mi) | Element |      | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|----------------|---------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                | KW      | KVAR |            |              |     |
| 665302       | PL.9214     | B   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57                     | 2.42         | 0        | 13         | 13      | 71         | 0.00      | 0.0               | 0.365          | 0.000   | 13   | 13         | 1            | 1   |
| 665301       | PL.9214     | B   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57                     | 0.09         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.365          | 0.000   | 0    | 0          | 1            | 1   |
| 665304       | PL.9214     | B   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57                     | 0.11         | 0        | 1          | 1       | 71         | 0.00      | 0.0               | 0.365          | 0.000   | 1    | 1          | 1            | 1   |
| 666301       | PL.9214     | B   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57                     | 0.96         | 0        | 5          | 5       | 71         | 0.00      | 0.0               | 0.365          | 0.000   | 5    | 5          | 1            | 1   |
| 666302       | PL.9214     | B   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.365          | 0.000   | 0    | 0          | 0            | 0   |
| 666303       | PL.9214     | B   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57                     | 0.51         | 0        | 3          | 3       | 71         | 0.00      | 0.0               | 0.365          | 0.000   | 3    | 3          | 1            | 1   |
| 665303       | PL.9214     | B   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57                     | 1.52         | 0        | 8          | 8       | 71         | 0.00      | 0.0               | 0.365          | 0.000   | 8    | 8          | 1            | 1   |
| PL.300       | PL.9214     | A   | 1/OACSR            | 7.55Y     | 125.8        | 0.01            | 0.17                     | 33.43        | 10       | 249        | 42      | 99         | 0.27      | 0.0               | 0.398          | 0.033   | 0    | 0          | 0            | 29  |
|              |             | B   |                    | 7.52Y     | 125.4        | 0.06            | 0.63                     | 72.66        | 22       | 471        | 278     | 86         |           |                   |                |         | 0    | 0          | 0            | 50  |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.03            | 0.45                     | 50.88        | 15       | 355        | 146     | 92         |           |                   |                |         | 0    | 0          | 0            | 38  |
| PL.8489      | PL.300      | A   | 1/OACSR            | 7.55Y     | 125.8        | 0.01            | 0.18                     | 33.43        | 10       | 249        | 42      | 99         | 0.16      | 0.0               | 0.422          | 0.025   | 0    | 0          | 0            | 29  |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.04            | 0.67                     | 62.03        | 19       | 413        | 217     | 89         |           |                   |                |         | 0    | 0          | 0            | 43  |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.02            | 0.47                     | 50.88        | 15       | 355        | 146     | 93         |           |                   |                |         | 0    | 0          | 0            | 38  |
| 665317       | PL.8489     | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.67                     | 1.80         | 0        | 9          | 10      | 67         | 0.00      | 0.0               | 0.422          | 0.000   | 9    | 10         | 1            | 1   |
| 665205       | PL.8489     | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.422          | 0.000   | 0    | 0          | 0            | 0   |
| 665316       | PL.8489     | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.67                     | 2.39         | 0        | 12         | 13      | 68         | 0.00      | 0.0               | 0.422          | 0.000   | 12   | 13         | 1            | 1   |
| PL.8488      | PL.8489     | A   | 1/OACSR            | 7.55Y     | 125.8        | 0.01            | 0.18                     | 33.43        | 10       | 249        | 42      | 99         | 0.12      | 0.0               | 0.441          | 0.019   | 0    | 0          | 0            | 29  |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.03            | 0.69                     | 58.09        | 18       | 391        | 194     | 90         |           |                   |                |         | 0    | 0          | 0            | 41  |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.02            | 0.49                     | 50.88        | 15       | 355        | 146     | 93         |           |                   |                |         | 0    | 0          | 0            | 38  |
| PL.8491      | PL.8488     | A   | 1/OACSR            | 7.55Y     | 125.8        | 0.00            | 0.19                     | 28.61        | 9        | 216        | 8       | 100        | 0.05      | 0.0               | 0.453          | 0.012   | 0    | 0          | 0            | 26  |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.02            | 0.71                     | 57.33        | 17       | 387        | 190     | 90         |           |                   |                |         | 0    | 0          | 0            | 41  |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.49                     | 25.45        | 8        | 190        | -28     | -99        |           |                   |                |         | 0    | 0          | 0            | 22  |
| 665204       | PL.8491     | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.71                     | 1.62         | 0        | 8          | 9       | 66         | 0.00      | 0.0               | 0.453          | 0.000   | 8    | 9          | 1            | 1   |
| 665212       | PL.8491     | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 2.00         | 0        | 10         | 11      | 67         | 0.00      | 0.0               | 0.453          | 0.000   | 10   | 11         | 1            | 1   |
| 665202       | PL.8491     | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 1.86         | 0        | 10         | 10      | 71         | 0.00      | 0.0               | 0.453          | 0.000   | 10   | 10         | 1            | 1   |
| 665203       | PL.8491     | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 2.35         | 0        | 12         | 13      | 68         | 0.00      | 0.0               | 0.453          | 0.000   | 12   | 13         | 1            | 1   |
| 665201       | PL.8491     | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.453          | 0.000   | 0    | 0          | 0            | 0   |
| PL.8490      | PL.8491     | A   | 1/OACSR            | 7.55Y     | 125.8        | 0.01            | 0.20                     | 24.58        | 7        | 184        | -27     | -99        | 0.26      | 0.0               | 0.516          | 0.063   | 0    | 0          | 0            | 23  |
|              |             | B   |                    | 7.51Y     | 125.2        | 0.09            | 0.80                     | 55.82        | 17       | 378        | 181     | 90         |           |                   |                |         | 0    | 0          | 0            | 40  |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.49                     | 25.45        | 8        | 190        | -28     | -99        |           |                   |                |         | 0    | 0          | 0            | 22  |
| PL.29454     | PL.8490     | C   | 1/OEPRJCN          | 7.53Y     | 125.5        | 0.00            | 0.49                     | -0.03        | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.523          | 0.006   | 0    | 0          | 0            | 0   |
| PD.2959      | PL.29454    | C   | fuse6AMP           | 7.53Y     | 125.5        | 0.00            | 0.49                     | -0.03        | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.523          | 0.000   | 0    | 0          | 0            | 0   |
| PL.29455     | PD.2959     | C   | 1/OEPRJCN          | 7.53Y     | 125.5        | -0.00           | 0.49                     | -0.03        | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.565          | 0.042   | 0    | 0          | 0            | 0   |
| PL.42961     | PL.8490     | A   | 1/OACSR            | 7.55Y     | 125.8        | 0.01            | 0.21                     | 24.58        | 7        | 184        | -27     | -99        | 0.18      | 0.0               | 0.561          | 0.045   | 0    | 0          | 0            | 23  |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.06            | 0.86                     | 55.82        | 17       | 378        | 181     | 90         |           |                   |                |         | 0    | 0          | 0            | 40  |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.49                     | 25.45        | 8        | 190        | -28     | -99        |           |                   |                |         | 0    | 0          | 0            | 22  |
| PD.8200-A    | PL.42961    | A   | Closed             | 7.55Y     | 125.8        | 0.00            | 0.21                     | 24.58        | 0        | 184        | -27     | -99        | 0.00      | 0.0               | 0.561          | 0.000   | 0    | 0          | 0            | 23  |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.86                     | 55.82        | 0        | 378        | 181     | 90         |           |                   |                |         | 0    | 0          | 0            | 40  |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.49                     | 25.45        | 0        | 190        | -28     | -99        |           |                   |                |         | 0    | 0          | 0            | 22  |
| PD.8200-B    | PD.8200-A   | A   | Closed             | 7.55Y     | 125.8        | 0.00            | 0.21                     | 24.58        | 0        | 184        | -27     | -99        | 0.00      | 0.0               | 0.561          | 0.000   | 0    | 0          | 0            | 23  |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.86                     | 55.82        | 0        | 378        | 181     | 90         |           |                   |                |         | 0    | 0          | 0            | 40  |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.49                     | 25.45        | 0        | 190        | -28     | -99        |           |                   |                |         | 0    | 0          | 0            | 22  |
| PL.42960     | PD.8200-B   | A   | 1/OACSR            | 7.55Y     | 125.8        | 0.00            | 0.22                     | 24.58        | 7        | 184        | -27     | -99        | 0.08      | 0.0               | 0.581          | 0.020   | 0    | 0          | 0            | 23  |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.03            | 0.89                     | 55.82        | 17       | 378        | 181     | 90         |           |                   |                |         | 0    | 0          | 0            | 40  |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.49                     | 25.45        | 8        | 190        | -28     | -99        |           |                   |                |         | 0    | 0          | 0            | 22  |
| PL.8785      | PL.42960    | A   | 1/OACSR            | 7.55Y     | 125.8        | 0.00            | 0.22                     | 24.58        | 7        | 184        | -27     | -99        | 0.00      | 0.0               | 0.581          | 0.000   | 0    | 0          | 0            | 23  |
|              |             | B   |                    | 7.51Y     | 125.1        | 0.00            | 0.89                     | 55.82        | 17       | 378        | 181     | 90         |           |                   |                |         | 0    | 0          | 0            | 40  |
| P            |             | C   |                    | 7.53Y     | 125.5        | -0.00           | 0.49                     | -29.07       | 9        | 0          | -219    | 0          |           |                   |                |         | 0    | 0          | 0            | 0 P |

Unbalanced Voltage Drop Report
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for elements PL.9807, PL.29420, 664107, 664109, 664108, PL.29421, PL.29016, PL.28946, 663131, 663126, 663121, 663125, 663128, PL.19637, PL.19638, PL.29445, PL.29446, PL.29414, PL.29415, 662210, 662211, 662209, 662207, 662212, 662208, PL.29447, 663210, 663218, 663220, 663217, 663216.

Unbalanced Voltage Drop Report
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for Units Displayed In Volts and Base Voltage:120.0-



Unbalanced Voltage Drop Report
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements 663130 through 664113 and PL.9806 through PL.10074.

Unbalanced Voltage Drop Report  
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 664229       | PL.10074    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52   | 2.49         | 0        | 13         | 14   | 68      | 0.00       | 0.0               | 0.622                               | 0.000 | 13   | 14         | 1            | 1         |
| 664230       | PL.10074    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52   | 2.17         | 0        | 11         | 12   | 68      | 0.00       | 0.0               | 0.622                               | 0.000 | 11   | 12         | 1            | 1         |
| PL.7810      | PL.10074    | C   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.01            | 0.54   | 28.85        | 15       | 149        | 158  | 69      | 0.02       | 0.0               | 0.646                               | 0.024 | 0    | 0          | 0            | 19        |
| 664117       | PL.7810     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54   | 1.80         | 0        | 9          | 10   | 67      | 0.00       | 0.0               | 0.646                               | 0.000 | 9    | 10         | 1            | 1         |
| 664115       | PL.7810     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54   | 1.55         | 0        | 8          | 8    | 71      | 0.00       | 0.0               | 0.646                               | 0.000 | 8    | 8          | 1            | 1         |
| 664116       | PL.7810     | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54   | 1.74         | 0        | 9          | 10   | 67      | 0.00       | 0.0               | 0.646                               | 0.000 | 9    | 10         | 1            | 1         |
| PL.7809      | PL.7810     | C   | 1/0EPRJCN          | 7.53Y     | 125.4        | 0.02            | 0.55   | 23.78        | 13       | 123        | 130  | 69      | 0.02       | 0.0               | 0.683                               | 0.037 | 0    | 0          | 0            | 16        |
| 664103       | PL.7809     | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 2.19         | 0        | 11         | 12   | 68      | 0.00       | 0.0               | 0.683                               | 0.000 | 11   | 12         | 1            | 1         |
| 664105       | PL.7809     | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 0.84         | 0        | 4          | 5    | 62      | 0.00       | 0.0               | 0.683                               | 0.000 | 4    | 5          | 1            | 1         |
| 663102       | PL.7809     | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 2.02         | 0        | 10         | 11   | 67      | 0.00       | 0.0               | 0.683                               | 0.000 | 10   | 11         | 1            | 1         |
| 664104       | PL.7809     | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 1.96         | 0        | 10         | 11   | 67      | 0.00       | 0.0               | 0.683                               | 0.000 | 10   | 11         | 1            | 1         |
| 663103       | PL.7809     | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 0.58         | 0        | 3          | 3    | 71      | 0.00       | 0.0               | 0.683                               | 0.000 | 3    | 3          | 1            | 1         |
| PL.7802      | PL.7809     | C   | 1/0EPRJCN          | 7.53Y     | 125.4        | 0.01            | 0.56   | 16.20        | 9        | 84         | 89   | 69      | 0.01       | 0.0               | 0.706                               | 0.024 | 0    | 0          | 0            | 11        |
| PL.29406     | PL.7802     | C   | 1/0EPRJCN          | 7.53Y     | 125.4        | 0.01            | 0.57   | 16.22        | 9        | 84         | 89   | 69      | 0.01       | 0.0               | 0.738                               | 0.031 | 0    | 0          | 0            | 11        |
| PL.29407     | PL.29406    | C   | 1/0EPRJCN          | 7.53Y     | 125.4        | 0.00            | 0.57   | 7.32         | 4        | 38         | 40   | 69      | 0.00       | 0.0               | 0.766                               | 0.028 | 0    | 0          | 0            | 5         |
| 663232       | PL.29407    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57   | 1.07         | 0        | 6          | 6    | 71      | 0.00       | 0.0               | 0.766                               | 0.000 | 6    | 6          | 1            | 1         |
| 663212       | PL.29407    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57   | 1.44         | 0        | 7          | 8    | 66      | 0.00       | 0.0               | 0.766                               | 0.000 | 7    | 8          | 1            | 1         |
| 663236       | PL.29407    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57   | 2.28         | 0        | 12         | 12   | 71      | 0.00       | 0.0               | 0.766                               | 0.000 | 12   | 12         | 1            | 1         |
| 663231       | PL.29407    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57   | 1.30         | 0        | 7          | 7    | 71      | 0.00       | 0.0               | 0.766                               | 0.000 | 7    | 7          | 1            | 1         |
| 663233       | PL.29407    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.766                               | 0.000 | 0    | 0          | 0            | 0         |
| 663211       | PL.29407    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57   | 1.23         | 0        | 6          | 7    | 65      | 0.00       | 0.0               | 0.766                               | 0.000 | 6    | 7          | 1            | 1         |
| 663213       | PL.29406    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57   | 1.47         | 0        | 8          | 8    | 71      | 0.00       | 0.0               | 0.738                               | 0.000 | 8    | 8          | 1            | 1         |
| 664211       | PL.29406    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57   | 2.05         | 0        | 11         | 11   | 71      | 0.00       | 0.0               | 0.738                               | 0.000 | 11   | 11         | 1            | 1         |
| 664216       | PL.29406    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.738                               | 0.000 | 0    | 0          | 0            | 0         |
| 663203       | PL.29406    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57   | 1.46         | 0        | 8          | 8    | 71      | 0.00       | 0.0               | 0.738                               | 0.000 | 8    | 8          | 1            | 1         |
| 663204       | PL.29406    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57   | 1.51         | 0        | 8          | 8    | 71      | 0.00       | 0.0               | 0.738                               | 0.000 | 8    | 8          | 1            | 1         |
| 664213       | PL.29406    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57   | 1.94         | 0        | 10         | 11   | 67      | 0.00       | 0.0               | 0.738                               | 0.000 | 10   | 11         | 1            | 1         |
| 663214       | PL.29406    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.57   | 0.47         | 0        | 2          | 3    | 55      | 0.00       | 0.0               | 0.738                               | 0.000 | 2    | 3          | 1            | 1         |
| PL.29456     | PL.8488     | A   | 1/0EPRJCN          | 7.55Y     | 125.8        | 0.00            | 0.18   | 6.32         | 3        | 33         | 34   | 70      | 0.00       | 0.0               | 0.442                               | 0.001 | 0    | 0          | 0            | 3         |
|              |             | B   |                    | 7.52Y     | 125.3        | -0.00           | 0.69   | 0.80         | 0        | 4          | 4    | 73      |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.49   | 31.81        | 17       | 165        | 174  | 69      |            |                   |                                     |       | 0    | 0          | 0            | 16        |
| C PD.2963    | PL.29456    | A   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.18   | 6.32         | 108      | 33         | 34   | 70      | 0.00       | 0.0               | 0.442                               | 0.000 | 0    | 0          | 0            | 3         |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.69   | 0.80         | 14       | 4          | 4    | 73      |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| C            |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.49   | 31.81        | 543      | 165        | 174  | 69      |            |                   |                                     |       | 0    | 0          | 0            | 16        |
| PL.29457     | PD.2963     | A   | 1/0EPRJCN          | 7.55Y     | 125.8        | 0.01            | 0.19   | 6.32         | 3        | 33         | 34   | 70      | 0.05       | 0.0               | 0.487                               | 0.045 | 0    | 0          | 0            | 3         |
|              |             | B   |                    | 7.52Y     | 125.3        | -0.00           | 0.69   | 0.80         | 0        | 4          | 4    | 73      |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.02            | 0.51   | 31.81        | 17       | 165        | 174  | 69      |            |                   |                                     |       | 0    | 0          | 0            | 16        |
| PL.29451     | PL.29457    | A   | 1/0EPRJCN          | 7.55Y     | 125.8        | 0.01            | 0.20   | 6.34         | 3        | 33         | 35   | 69      | 0.06       | 0.0               | 0.539                               | 0.052 | 0    | 0          | 0            | 3         |
|              |             | B   |                    | 7.52Y     | 125.3        | -0.00           | 0.69   | 0.82         | 0        | 4          | 4    | 71      |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.03            | 0.54   | 31.84        | 17       | 165        | 174  | 69      |            |                   |                                     |       | 0    | 0          | 0            | 16        |
| P PL.29452   | PL.29451    | A   | 1/0EPRJCN          | 7.55Y     | 125.8        | 0.00            | 0.20   | -0.01        | 0        | 0          | 0    | 100     | 0.01       | 0.0               | 0.552                               | 0.013 | 0    | 0          | 0            | 0         |
|              |             | B   |                    | 7.52Y     | 125.3        | -0.00           | 0.69   | -0.01        | 0        | 0          | 0    | 0       |            |                   |                                     |       | 0    | 0          | 0            | 0         |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.55   | 21.19        | 11       | 110        | 116  | 69      |            |                   |                                     |       | 0    | 0          | 0            | 11        |

Unbalanced Voltage Drop Report  
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|---------------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                     | %<br>Loss         | KW |            |              | KVAR |
| PL.29588     | PL.29452    | C   | 1/0EPRJCN          | 7.53Y     | 125.4        | 0.01            | 0.55   | 21.20        | 11       | 110        | 116  | 69      | 0.01       | 0.0               | 0.567               | 0.015             | 0  | 0          | 0            | 11   |
| PL.29412     | PL.29588    | C   | 1/0EPRJCN          | 7.53Y     | 125.4        | 0.01            | 0.56   | 15.53        | 8        | 80         | 85   | 69      | 0.01       | 0.0               | 0.592               | 0.025             | 0  | 0          | 0            | 8    |
| 664314       | PL.29412    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 2.11         | 0        | 11         | 12   | 68      | 0.00       | 0.0               | 0.592               | 0.000             | 11 | 12         | 1            | 1    |
| 664306       | PL.29412    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 2.26         | 0        | 12         | 12   | 71      | 0.00       | 0.0               | 0.592               | 0.000             | 12 | 12         | 1            | 1    |
| 664315       | PL.29412    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 1.75         | 0        | 9          | 10   | 67      | 0.00       | 0.0               | 0.592               | 0.000             | 9  | 10         | 1            | 1    |
| 663315       | PL.29412    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 1.79         | 0        | 9          | 10   | 67      | 0.00       | 0.0               | 0.592               | 0.000             | 9  | 10         | 1            | 1    |
| 664317       | PL.29412    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.592               | 0.000             | 0  | 0          | 0            | 0    |
| PL.29411     | PL.29412    | C   | 1/0EPRJCN          | 7.53Y     | 125.4        | 0.00            | 0.56   | 7.63         | 4        | 39         | 42   | 68      | 0.00       | 0.0               | 0.613               | 0.021             | 0  | 0          | 0            | 4    |
| 663317       | PL.29411    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 1.42         | 0        | 7          | 8    | 66      | 0.00       | 0.0               | 0.613               | 0.000             | 7  | 8          | 1            | 1    |
| 663316       | PL.29411    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 1.71         | 0        | 9          | 9    | 71      | 0.00       | 0.0               | 0.613               | 0.000             | 9  | 9          | 1            | 1    |
| 663307       | PL.29411    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.613               | 0.000             | 0  | 0          | 0            | 0    |
| 663318       | PL.29411    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 2.51         | 0        | 13         | 14   | 68      | 0.00       | 0.0               | 0.613               | 0.000             | 13 | 14         | 1            | 1    |
| 663306       | PL.29411    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.56   | 2.00         | 0        | 10         | 11   | 67      | 0.00       | 0.0               | 0.613               | 0.000             | 10 | 11         | 1            | 1    |
| PL.29410     | PL.29411    | C   | 1/0EPRJCN          | 7.53Y     | 125.4        | 0.00            | 0.56   | -0.00        | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.619               | 0.006             | 0  | 0          | 0            | 0    |
| 664316       | PL.29588    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 1.87         | 0        | 10         | 10   | 71      | 0.00       | 0.0               | 0.567               | 0.000             | 10 | 10         | 1            | 1    |
| 664228       | PL.29588    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.567               | 0.000             | 0  | 0          | 0            | 0    |
| 664334       | PL.29588    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.567               | 0.000             | 0  | 0          | 0            | 0    |
| 664318       | PL.29588    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 1.58         | 0        | 8          | 9    | 66      | 0.00       | 0.0               | 0.567               | 0.000             | 8  | 9          | 1            | 1    |
| 664313       | PL.29588    | C   | Consumer           | 7.53Y     | 125.4        | 0.00            | 0.55   | 2.23         | 0        | 12         | 12   | 71      | 0.00       | 0.0               | 0.567               | 0.000             | 12 | 12         | 1            | 1    |
| PL.29416     | PL.29451    | C   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.00            | 0.54   | 8.10         | 4        | 42         | 44   | 69      | 0.00       | 0.0               | 0.554               | 0.015             | 0  | 0          | 0            | 4    |
| 664227       | PL.29416    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54   | 1.53         | 0        | 8          | 8    | 71      | 0.00       | 0.0               | 0.554               | 0.000             | 8  | 8          | 1            | 1    |
| 664225       | PL.29416    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54   | 1.61         | 0        | 8          | 9    | 66      | 0.00       | 0.0               | 0.554               | 0.000             | 8  | 9          | 1            | 1    |
| 664322       | PL.29416    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54   | 3.30         | 0        | 17         | 18   | 69      | 0.00       | 0.0               | 0.554               | 0.000             | 17 | 18         | 1            | 1    |
| 664226       | PL.29416    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54   | 1.66         | 0        | 9          | 9    | 71      | 0.00       | 0.0               | 0.554               | 0.000             | 9  | 9          | 1            | 1    |
| 664321       | PL.29451    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20   | 1.81         | 0        | 9          | 10   | 67      | 0.00       | 0.0               | 0.539               | 0.000             | 9  | 10         | 1            | 1    |
| 664312       | PL.29451    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20   | 0.84         | 0        | 4          | 5    | 62      | 0.00       | 0.0               | 0.539               | 0.000             | 4  | 5          | 0            | 0    |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.69   | 0.84         | 0        | 4          | 5    | 69      |            |                   |                     |                   | 4  | 5          | 0            | 0    |
|              |             | C   |                    | 7.53Y     | 125.5        | 0.00            | 0.54   | 0.84         | 0        | 4          | 5    | 69      |            |                   |                     |                   | 4  | 5          | 0            | 0    |
| 664319       | PL.29451    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54   | 1.72         | 0        | 9          | 9    | 71      | 0.00       | 0.0               | 0.539               | 0.000             | 9  | 9          | 1            | 1    |
| 664320       | PL.29451    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20   | 1.69         | 0        | 9          | 9    | 71      | 0.00       | 0.0               | 0.539               | 0.000             | 9  | 9          | 1            | 1    |
| 664323       | PL.29451    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20   | 2.03         | 0        | 11         | 11   | 71      | 0.00       | 0.0               | 0.539               | 0.000             | 11 | 11         | 1            | 1    |
| PL.10075     | PL.300      | B   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.63   | 11.14        | 6        | 57         | 61   | 68      | 0.00       | 0.0               | 0.400               | 0.002             | 0  | 0          | 0            | 7    |
| C PD.2962    | PL.10075    | B   | fuse10AMP          | 7.52Y     | 125.4        | 0.00            | 0.63   | 11.14        | 116      | 57         | 61   | 68      | 0.00       | 0.0               | 0.400               | 0.000             | 0  | 0          | 0            | 7 C  |
| PL.10076     | PD.2962     | B   | 4ACSR              | 7.52Y     | 125.4        | 0.01            | 0.64   | 11.14        | 6        | 57         | 61   | 68      | 0.01       | 0.0               | 0.422               | 0.022             | 0  | 0          | 0            | 7    |
| 665319       | PL.10076    | B   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.64   | 1.88         | 0        | 10         | 10   | 71      | 0.00       | 0.0               | 0.422               | 0.000             | 10 | 10         | 1            | 1    |
| 665318       | PL.10076    | B   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.64   | 1.90         | 0        | 10         | 10   | 71      | 0.00       | 0.0               | 0.422               | 0.000             | 10 | 10         | 1            | 1    |
| 665327       | PL.10076    | B   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.64   | 2.02         | 0        | 10         | 11   | 67      | 0.00       | 0.0               | 0.422               | 0.000             | 10 | 11         | 1            | 1    |
| PL.8786      | PL.10076    | B   | 4ACSR              | 7.52Y     | 125.3        | 0.01            | 0.65   | 5.33         | 3        | 28         | 29   | 69      | 0.00       | 0.0               | 0.462               | 0.040             | 0  | 0          | 0            | 4    |
| 665321       | PL.8786     | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.65   | 1.86         | 0        | 10         | 10   | 71      | 0.00       | 0.0               | 0.462               | 0.000             | 10 | 10         | 1            | 1    |

Unbalanced Voltage Drop Report
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for various elements like 665320, PL.7803, 664305, etc.

Unbalanced Voltage Drop Report  
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf         | Type/<br>Conductor | Pri<br>kV               | Base<br>Volt            | Element<br>Drop       | Units Displayed In Volts |                         |              |               |               |                |                | mi<br>From<br>Src | -----Element----- |                 | Cons<br>On  | Cons<br>Thru |              |             |
|--------------|-------------|-------------|--------------------|-------------------------|-------------------------|-----------------------|--------------------------|-------------------------|--------------|---------------|---------------|----------------|----------------|-------------------|-------------------|-----------------|-------------|--------------|--------------|-------------|
|              |             |             |                    |                         |                         |                       | Accum<br>Drop            | Thru<br>Amps            | %<br>Cap     | Thru<br>KW    | KVAR          | %<br>PF        | kW<br>Loss     |                   | %<br>Loss         | Length<br>(mi)  |             |              | KW           | KVAR        |
| PL.29461     | PD.2956     | C           | 1/0EPRJCN          | 7.54Y                   | 125.6                   | 0.00                  | 0.38                     | 12.43                   | 7            | 64            | 68            | 69             | 0.00           | 0.0               | 0.273             | 0.002           | 0           | 0            | 0            | 6           |
| PL.10077     | PL.29461    | C           | 1/0EPRJCN          | 7.54Y                   | 125.6                   | 0.00                  | 0.38                     | 12.43                   | 7            | 64            | 68            | 69             | 0.00           | 0.0               | 0.289             | 0.016           | 0           | 0            | 0            | 6           |
| PL.10078     | PL.10077    | C           | 1/0EPRJCN          | 7.54Y                   | 125.6                   | -0.00                 | 0.38                     | -0.03                   | 0            | 0             | 0             | 100            | 0.00           | 0.0               | 0.333             | 0.044           | 0           | 0            | 0            | 0           |
| 663221       | PL.10077    | C           | Consumer           | 7.54Y                   | 125.6                   | 0.00                  | 0.38                     | 1.39                    | 0            | 7             | 8             | 66             | 0.00           | 0.0               | 0.289             | 0.000           | 7           | 8            | 1            | 1           |
| 663223       | PL.10077    | C           | Consumer           | 7.54Y                   | 125.6                   | 0.00                  | 0.38                     | 1.93                    | 0            | 10            | 11            | 67             | 0.00           | 0.0               | 0.289             | 0.000           | 10          | 11           | 1            | 1           |
| 663302       | PL.10077    | C           | Consumer           | 7.54Y                   | 125.6                   | 0.00                  | 0.38                     | 0.00                    | 0            | 0             | 0             | 100            | 0.00           | 0.0               | 0.289             | 0.000           | 0           | 0            | 0            | 0           |
| 663222       | PL.10077    | C           | Consumer           | 7.54Y                   | 125.6                   | 0.00                  | 0.38                     | 2.28                    | 0            | 12            | 12            | 71             | 0.00           | 0.0               | 0.289             | 0.000           | 12          | 12           | 1            | 1           |
| 663226       | PL.10077    | C           | Consumer           | 7.54Y                   | 125.6                   | 0.00                  | 0.38                     | 0.00                    | 0            | 0             | 0             | 100            | 0.00           | 0.0               | 0.289             | 0.000           | 0           | 0            | 0            | 0           |
| 663224       | PL.10077    | C           | Consumer           | 7.54Y                   | 125.6                   | 0.00                  | 0.38                     | 2.62                    | 0            | 14            | 14            | 71             | 0.00           | 0.0               | 0.289             | 0.000           | 14          | 14           | 1            | 1           |
| 663301       | PL.10077    | C           | Consumer           | 7.54Y                   | 125.6                   | 0.00                  | 0.38                     | 2.49                    | 0            | 13            | 14            | 68             | 0.00           | 0.0               | 0.289             | 0.000           | 13          | 14           | 1            | 1           |
| 663229       | PL.10077    | C           | Consumer           | 7.54Y                   | 125.6                   | 0.00                  | 0.38                     | 1.74                    | 0            | 9             | 10            | 67             | 0.00           | 0.0               | 0.289             | 0.000           | 9           | 10           | 1            | 1           |
| 663225       | PL.10077    | C           | Consumer           | 7.54Y                   | 125.6                   | 0.00                  | 0.38                     | 0.00                    | 0            | 0             | 0             | 100            | 0.00           | 0.0               | 0.289             | 0.000           | 0           | 0            | 0            | 0           |
| 663303       | PL.29408    | C           | Consumer           | 7.54Y                   | 125.6                   | 0.00                  | 0.37                     | 1.52                    | 0            | 8             | 8             | 71             | 0.00           | 0.0               | 0.234             | 0.000           | 8           | 8            | 1            | 1           |
| 663305       | PL.29408    | C           | Consumer           | 7.54Y                   | 125.6                   | 0.00                  | 0.37                     | 1.31                    | 0            | 7             | 7             | 71             | 0.00           | 0.0               | 0.234             | 0.000           | 7           | 7            | 1            | 1           |
| P PL.29449   | PL.29450    | A<br>B<br>C | 1/0EPRJCN          | 7.56Y<br>7.55Y<br>7.53Y | 126.0<br>125.9<br>125.6 | 0.00<br>-0.01<br>0.07 | -0.00<br>0.14<br>0.43    | -0.04<br>-0.04<br>60.59 | 0<br>0<br>32 | 0<br>0<br>314 | 0<br>0<br>331 | 100<br>0<br>69 | 0.27<br>0<br>0 | 0.1<br>0<br>0     | 0.290<br>0<br>0   | 0.067<br>0<br>0 | 0<br>0<br>0 | 0<br>0<br>0  | 0<br>0<br>34 | P<br>0<br>0 |
| PL.29267     | PL.29449    | C           | 1/0EPRJCN          | 7.53Y                   | 125.5                   | 0.04                  | 0.47                     | 60.62                   | 32           | 314           | 331           | 69             | 0.16           | 0.1               | 0.327             | 0.036           | 0           | 0            | 0            | 34          |
| PL.29443     | PL.29267    | C           | 1/0EPRJCN          | 7.53Y                   | 125.5                   | 0.00                  | 0.47                     | 12.03                   | 6            | 62            | 66            | 68             | 0.00           | 0.0               | 0.336             | 0.009           | 0           | 0            | 0            | 6           |
| PL.29444     | PL.29443    | C           | 1/0EPRJCN          | 7.53Y                   | 125.5                   | 0.01                  | 0.48                     | 7.36                    | 4            | 38            | 40            | 69             | 0.00           | 0.0               | 0.375             | 0.040           | 0           | 0            | 0            | 4           |
| PL.29413     | PL.29444    | C           | 1/0EPRJCN          | 7.53Y                   | 125.5                   | -0.00                 | 0.48                     | -0.02                   | 0            | 0             | 0             | 100            | 0.00           | 0.0               | 0.413             | 0.038           | 0           | 0            | 0            | 0           |
| 663235       | PL.29444    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.48                     | 2.44                    | 0            | 13            | 13            | 71             | 0.00           | 0.0               | 0.375             | 0.000           | 13          | 13           | 1            | 1           |
| 663238       | PL.29444    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.48                     | 2.08                    | 0            | 11            | 11            | 71             | 0.00           | 0.0               | 0.375             | 0.000           | 11          | 11           | 1            | 1           |
| 663234       | PL.29444    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.48                     | 1.59                    | 0            | 8             | 9             | 66             | 0.00           | 0.0               | 0.375             | 0.000           | 8           | 9            | 1            | 1           |
| 663230       | PL.29444    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.48                     | 1.30                    | 0            | 7             | 7             | 71             | 0.00           | 0.0               | 0.375             | 0.000           | 7           | 7            | 1            | 1           |
| 663237       | PL.29444    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.48                     | 0.00                    | 0            | 0             | 0             | 100            | 0.00           | 0.0               | 0.375             | 0.000           | 0           | 0            | 0            | 0           |
| 664203       | PL.29443    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.47                     | 2.63                    | 0            | 14            | 14            | 71             | 0.00           | 0.0               | 0.336             | 0.000           | 14          | 14           | 1            | 1           |
| 664210       | PL.29443    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.47                     | 2.04                    | 0            | 11            | 11            | 71             | 0.00           | 0.0               | 0.336             | 0.000           | 11          | 11           | 1            | 1           |
| PL.29448     | PL.29267    | C           | 1/0EPRJCN          | 7.53Y                   | 125.5                   | 0.01                  | 0.49                     | 48.60                   | 26           | 252           | 266           | 69             | 0.04           | 0.0               | 0.342             | 0.016           | 0           | 0            | 0            | 28          |
| 664206       | PL.29448    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.49                     | 0.00                    | 0            | 0             | 0             | 100            | 0.00           | 0.0               | 0.342             | 0.000           | 0           | 0            | 0            | 0           |
| 664202       | PL.29448    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.49                     | 2.15                    | 0            | 11            | 12            | 68             | 0.00           | 0.0               | 0.342             | 0.000           | 11          | 12           | 1            | 1           |
| 664219       | PL.29448    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.49                     | 1.37                    | 0            | 7             | 7             | 71             | 0.00           | 0.0               | 0.342             | 0.000           | 7           | 7            | 1            | 1           |
| 664201       | PL.29448    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.49                     | 0.00                    | 0            | 0             | 0             | 100            | 0.00           | 0.0               | 0.342             | 0.000           | 0           | 0            | 0            | 0           |
| 664209       | PL.29448    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.49                     | 1.56                    | 0            | 8             | 9             | 66             | 0.00           | 0.0               | 0.342             | 0.000           | 8           | 9            | 1            | 1           |
| PL.29526     | PL.29448    | C           | 1/0EPRJCN          | 7.53Y                   | 125.5                   | 0.02                  | 0.51                     | 43.53                   | 23           | 225           | 238           | 69             | 0.05           | 0.0               | 0.364             | 0.022           | 0           | 0            | 0            | 25          |
| 664224       | PL.29526    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.51                     | 1.08                    | 0            | 6             | 6             | 71             | 0.00           | 0.0               | 0.364             | 0.000           | 6           | 6            | 1            | 1           |
| 664208       | PL.29526    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.51                     | 1.84                    | 0            | 10            | 10            | 71             | 0.00           | 0.0               | 0.364             | 0.000           | 10          | 10           | 1            | 1           |
| 664215       | PL.29526    | C           | Consumer           | 7.53Y                   | 125.5                   | 0.00                  | 0.51                     | 1.92                    | 0            | 10            | 11            | 67             | 0.00           | 0.0               | 0.364             | 0.000           | 10          | 11           | 1            | 1           |
| PL.29525     | PL.29526    | C           | 1/0EPRJCN          | 7.53Y                   | 125.5                   | 0.02                  | 0.52                     | 38.69                   | 20           | 200           | 212           | 69             | 0.04           | 0.0               | 0.386             | 0.022           | 0           | 0            | 0            | 22          |

Unbalanced Voltage Drop Report
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.29453, PL.29405, etc.

----- Feeder No. 2 (TREEHAVEN2) Beginning with Device PD.3923 -----

Unbalanced Voltage Drop Report
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PD.3923, PL.32925, PL.8779, etc.

Unbalanced Voltage Drop Report  
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |      |
| 664420       | PL.25563    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.35                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.234             | 0.000 | 0          | 0            | 0    | 0    |
| 664419       | PL.25563    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.35                     | 1.55         | 0        | 8          | 8         | 71         | 0.00      | 0.0               | 0.234             | 0.000 | 8          | 8            | 1    | 1    |
| 664401       | PL.25563    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.35                     | 0.53         | 0        | 3          | 3         | 71         | 0.00      | 0.0               | 0.234             | 0.000 | 3          | 3            | 1    | 1    |
| 664402       | PL.25563    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.35                     | 0.28         | 0        | 1          | 2         | 45         | 0.00      | 0.0               | 0.234             | 0.000 | 1          | 2            | 1    | 1    |
| PL.19561     | PL.25563    | A   | 4ACSR              | 7.54Y     | 125.6        | 0.02            | 0.37                     | 23.70        | 12       | 123        | 130       | 69         | 0.03      | 0.0               | 0.257             | 0.023 | 0          | 0            | 0    | 14   |
| PL.19562     | PL.19561    | A   | 4ACSR              | 7.54Y     | 125.6        | 0.02            | 0.39                     | 16.64        | 9        | 86         | 91        | 69         | 0.01      | 0.0               | 0.278             | 0.021 | 0          | 0            | 0    | 10   |
| 664405       | PL.19562    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 1.67         | 0        | 9          | 9         | 71         | 0.00      | 0.0               | 0.278             | 0.000 | 9          | 9            | 1    | 1    |
| 664406       | PL.19562    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.88         | 0        | 5          | 5         | 71         | 0.00      | 0.0               | 0.278             | 0.000 | 5          | 5            | 1    | 1    |
| 664425       | PL.19562    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 1.56         | 0        | 8          | 9         | 66         | 0.00      | 0.0               | 0.278             | 0.000 | 8          | 9            | 1    | 1    |
| 664426       | PL.19562    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 1.73         | 0        | 9          | 9         | 71         | 0.00      | 0.0               | 0.278             | 0.000 | 9          | 9            | 1    | 1    |
| 664423       | PL.19562    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 1.96         | 0        | 10         | 11        | 67         | 0.00      | 0.0               | 0.278             | 0.000 | 10         | 11           | 1    | 1    |
| 664424       | PL.19562    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 2.15         | 0        | 11         | 12        | 68         | 0.00      | 0.0               | 0.278             | 0.000 | 11         | 12           | 1    | 1    |
| PL.19165     | PL.19562    | A   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.40                     | 6.69         | 3        | 35         | 37        | 69         | 0.00      | 0.0               | 0.304             | 0.026 | 0          | 0            | 0    | 4    |
| 664302       | PL.19165    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40                     | 0.67         | 0        | 3          | 4         | 60         | 0.00      | 0.0               | 0.304             | 0.000 | 3          | 4            | 1    | 1    |
| 664301       | PL.19165    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40                     | 2.01         | 0        | 10         | 11        | 67         | 0.00      | 0.0               | 0.304             | 0.000 | 10         | 11           | 1    | 1    |
| 664333       | PL.19165    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40                     | 2.27         | 0        | 12         | 12        | 71         | 0.00      | 0.0               | 0.304             | 0.000 | 12         | 12           | 1    | 1    |
| 664332       | PL.19165    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40                     | 1.74         | 0        | 9          | 10        | 67         | 0.00      | 0.0               | 0.304             | 0.000 | 9          | 10           | 1    | 1    |
| 664404       | PL.19561    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 1.29         | 0        | 7          | 7         | 71         | 0.00      | 0.0               | 0.257             | 0.000 | 7          | 7            | 1    | 1    |
| 664422       | PL.19561    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 2.06         | 0        | 11         | 11        | 71         | 0.00      | 0.0               | 0.257             | 0.000 | 11         | 11           | 1    | 1    |
| 664421       | PL.19561    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 1.90         | 0        | 10         | 10        | 71         | 0.00      | 0.0               | 0.257             | 0.000 | 10         | 10           | 1    | 1    |
| 664403       | PL.19561    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 1.81         | 0        | 9          | 10        | 67         | 0.00      | 0.0               | 0.257             | 0.000 | 9          | 10           | 1    | 1    |
| 664427       | PL.20179    | C   | Consumer           | 7.55Y     | 125.9        | 0.00            | 0.12                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.200             | 0.000 | 0          | 0            | 0    | 0    |
| 664408       | PL.20179    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.33         | 0        | 2          | 2         | 71         | 0.00      | 0.0               | 0.200             | 0.000 | 2          | 2            | 1    | 1    |
| 664407       | PL.20179    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.79         | 0        | 4          | 4         | 71         | 0.00      | 0.0               | 0.200             | 0.000 | 4          | 4            | 1    | 1    |
| PL.43516     | PL.20179    | A   | 1/0ACSR            | 7.54Y     | 125.7        | 0.01            | 0.32                     | 43.66        | 13       | 297        | 142       | 90         | 0.04      | 0.0               | 0.213             | 0.013 | 0          | 0            | 0    | 21   |
|              |             | B   |                    | 7.56Y     | 125.9        | 0.00            | 0.08                     | 26.08        | 8        | 194        | 35        | 98         |           |                   |                   |       | 0          | 0            | 0    | 1    |
|              |             | C   |                    | 7.55Y     | 125.9        | 0.01            | 0.13                     | 31.86        | 10       | 229        | 73        | 95         |           |                   |                   |       | 0          | 0            | 0    | 6    |
| PL.43517     | PL.43516    | A   | 4ACSR              | 7.54Y     | 125.6        | 0.07            | 0.39                     | 36.27        | 19       | 239        | 133       | 87         | 0.23      | 0.0               | 0.260             | 0.047 | 0          | 0            | 0    | 20   |
|              |             | B   |                    | 7.55Y     | 125.9        | 0.02            | 0.10                     | 18.32        | 9        | 136        | 26        | 98         |           |                   |                   |       | 0          | 0            | 0    | 0    |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.05            | 0.17                     | 24.21        | 12       | 172        | 63        | 94         |           |                   |                   |       | 0          | 0            | 0    | 5    |
| PL.303       | PL.43517    | A   | 4ACSR              | 7.53Y     | 125.6        | 0.03            | 0.42                     | 36.27        | 19       | 239        | 133       | 87         | 0.08      | 0.0               | 0.277             | 0.017 | 0          | 0            | 0    | 20   |
|              |             | B   |                    | 7.55Y     | 125.9        | 0.01            | 0.11                     | 18.32        | 9        | 136        | 26        | 98         |           |                   |                   |       | 0          | 0            | 0    | 0    |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.01            | 0.19                     | 18.33        | 9        | 136        | 26        | 98         |           |                   |                   |       | 0          | 0            | 0    | 0    |
| PL.24359     | PL.303      | A   | 4ACSR              | 7.53Y     | 125.6        | 0.01            | 0.43                     | 18.36        | 9        | 136        | 26        | 98         | 0.02      | 0.0               | 0.289             | 0.011 | 0          | 0            | 0    | 0    |
|              |             | B   |                    | 7.55Y     | 125.9        | 0.01            | 0.12                     | 18.32        | 9        | 136        | 26        | 98         |           |                   |                   |       | 0          | 0            | 0    | 0    |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.01            | 0.19                     | 18.33        | 9        | 136        | 26        | 98         |           |                   |                   |       | 0          | 0            | 0    | 0    |
| 665424       | PL.24359    | A   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.43                     | 18.36        | 0        | 136        | 26        | 98         | 0.00      | 0.0               | 0.289             | 0.000 | 136        | 26           | 0    | 0    |
|              |             | B   |                    | 7.55Y     | 125.9        | 0.00            | 0.12                     | 18.32        | 0        | 136        | 26        | 98         |           |                   |                   |       | 136        | 26           | 0    | 0    |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.19                     | 18.33        | 0        | 136        | 26        | 98         |           |                   |                   |       | 136        | 26           | 0    | 0    |
| PL.25564     | PL.303      | A   | 4ACSR              | 7.53Y     | 125.6        | 0.00            | 0.42                     | 19.71        | 10       | 103        | 107       | 69         | 0.00      | 0.0               | 0.280             | 0.002 | 0          | 0            | 0    | 20   |
| C PD.2966    | PL.25564    | A   | fuse6AMP           | 7.53Y     | 125.6        | 0.00            | 0.42                     | 19.71        | 337      | 103        | 107       | 69         | 0.00      | 0.0               | 0.280             | 0.000 | 0          | 0            | 0    | 20 C |
| PL.25565     | PD.2966     | A   | 4ACSR              | 7.53Y     | 125.6        | 0.01            | 0.43                     | 19.71        | 10       | 103        | 107       | 69         | 0.01      | 0.0               | 0.293             | 0.013 | 0          | 0            | 0    | 20   |
| 666410       | PL.25565    | A   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.43                     | 1.40         | 0        | 7          | 8         | 66         | 0.00      | 0.0               | 0.293             | 0.000 | 7          | 8            | 1    | 1    |



Unbalanced Voltage Drop Report  
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| 665401       | PL.25565    | A   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.43   | 0.28         | 0        | 1          | 2    | 45      | 0.00       | 0.0               | 0.293             | 0.000          | 1          | 2            | 1  | 1    |
| 666409       | PL.25565    | A   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.43   | 1.60         | 0        | 8          | 9    | 66      | 0.00       | 0.0               | 0.293             | 0.000          | 8          | 9            | 1  | 1    |
| 665402       | PL.25565    | A   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.43   | 1.58         | 0        | 8          | 9    | 66      | 0.00       | 0.0               | 0.293             | 0.000          | 8          | 9            | 1  | 1    |
| PL.21060     | PL.25565    | A   | 4ACSR              | 7.53Y     | 125.5        | 0.03            | 0.47   | 14.86        | 8        | 78         | 80   | 70      | 0.03       | 0.0               | 0.342             | 0.049          | 0          | 0            | 0  | 16   |
| PD.8202-A    | PL.21060    | A   | Closed             | 7.53Y     | 125.5        | 0.00            | 0.47   | 14.86        | 0        | 78         | 80   | 70      | 0.00       | 0.0               | 0.342             | 0.000          | 0          | 0            | 0  | 16   |
| PD.8202-B    | PD.8202-A   | A   | Closed             | 7.53Y     | 125.5        | 0.00            | 0.47   | 14.86        | 0        | 78         | 80   | 70      | 0.00       | 0.0               | 0.342             | 0.000          | 0          | 0            | 0  | 16   |
| PL.21061     | PD.8202-B   | A   | 4ACSR              | 7.53Y     | 125.5        | 0.02            | 0.48   | 14.86        | 8        | 78         | 80   | 70      | 0.01       | 0.0               | 0.366             | 0.024          | 0          | 0            | 0  | 16   |
| 666414       | PL.21061    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48   | 0.31         | 0        | 2          | 1    | 89      | 0.00       | 0.0               | 0.366             | 0.000          | 2          | 1            | 1  | 1    |
| 666408       | PL.21061    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.48   | 2.01         | 0        | 10         | 11   | 67      | 0.00       | 0.0               | 0.366             | 0.000          | 10         | 11           | 1  | 1    |
| PL.29594     | PL.21061    | A   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.01            | 0.49   | 12.55        | 7        | 65         | 68   | 69      | 0.00       | 0.0               | 0.390             | 0.024          | 0          | 0            | 0  | 14   |
| PL.29595     | PL.29594    | A   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.01            | 0.49   | 12.57        | 7        | 65         | 69   | 69      | 0.01       | 0.0               | 0.419             | 0.029          | 0          | 0            | 0  | 14   |
| PL.29533     | PL.29595    | A   | 1/0EPRJCN          | 7.53Y     | 125.5        | 0.01            | 0.51   | 9.10         | 5        | 47         | 50   | 68      | 0.01       | 0.0               | 0.495             | 0.076          | 0          | 0            | 0  | 7    |
| P PL.29534   | PL.29533    | A   | 1/0EPRJCN          | 7.53Y     | 125.5        | -0.00           | 0.51   | -0.02        | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.526             | 0.031          | 0          | 0            | 0  | 0 P  |
| 665408       | PL.29533    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.495             | 0.000          | 0          | 0            | 0  | 0    |
| 666412       | PL.29533    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51   | 0.25         | 0        | 1          | 1    | 71      | 0.00       | 0.0               | 0.495             | 0.000          | 1          | 1            | 1  | 1    |
| 665406       | PL.29533    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51   | 2.54         | 0        | 13         | 14   | 68      | 0.00       | 0.0               | 0.495             | 0.000          | 13         | 14           | 1  | 1    |
| 665404       | PL.29533    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51   | 2.45         | 0        | 13         | 13   | 71      | 0.00       | 0.0               | 0.495             | 0.000          | 13         | 13           | 1  | 1    |
| 665403       | PL.29533    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51   | 0.49         | 0        | 3          | 3    | 71      | 0.00       | 0.0               | 0.495             | 0.000          | 3          | 3            | 1  | 1    |
| 665407       | PL.29533    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51   | 0.33         | 0        | 2          | 2    | 71      | 0.00       | 0.0               | 0.495             | 0.000          | 2          | 2            | 1  | 1    |
| 666411       | PL.29533    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51   | 0.28         | 0        | 1          | 2    | 45      | 0.00       | 0.0               | 0.495             | 0.000          | 1          | 2            | 1  | 1    |
| 665405       | PL.29533    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.51   | 2.80         | 0        | 14         | 15   | 68      | 0.00       | 0.0               | 0.495             | 0.000          | 14         | 15           | 1  | 1    |
| 666403       | PL.29595    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49   | 0.48         | 0        | 2          | 3    | 55      | 0.00       | 0.0               | 0.419             | 0.000          | 2          | 3            | 1  | 1    |
| 666401       | PL.29595    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49   | 0.78         | 0        | 4          | 4    | 71      | 0.00       | 0.0               | 0.419             | 0.000          | 4          | 4            | 1  | 1    |
| 666405       | PL.29595    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49   | 0.30         | 0        | 2          | 2    | 71      | 0.00       | 0.0               | 0.419             | 0.000          | 2          | 2            | 1  | 1    |
| 666406       | PL.29595    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49   | 0.43         | 0        | 2          | 2    | 71      | 0.00       | 0.0               | 0.419             | 0.000          | 2          | 2            | 1  | 1    |
| 666407       | PL.29595    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49   | 0.24         | 0        | 1          | 1    | 71      | 0.00       | 0.0               | 0.419             | 0.000          | 1          | 1            | 1  | 1    |
| 666404       | PL.29595    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49   | 0.92         | 0        | 5          | 5    | 71      | 0.00       | 0.0               | 0.419             | 0.000          | 5          | 5            | 1  | 1    |
| 666402       | PL.29595    | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.49   | 0.33         | 0        | 2          | 2    | 71      | 0.00       | 0.0               | 0.419             | 0.000          | 2          | 2            | 1  | 1    |
| PL.25567     | PL.43517    | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.18   | 5.10         | 3        | 26         | 28   | 68      | 0.00       | 0.0               | 0.263             | 0.003          | 0          | 0            | 0  | 3    |
| C PD.2960    | PL.25567    | C   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.18   | 5.10         | 87       | 26         | 28   | 68      | 0.00       | 0.0               | 0.263             | 0.000          | 0          | 0            | 0  | 3 C  |
| PL.25568     | PD.2960     | C   | 4ACSR              | 7.55Y     | 125.8        | 0.01            | 0.18   | 5.10         | 3        | 26         | 28   | 68      | 0.00       | 0.0               | 0.298             | 0.034          | 0          | 0            | 0  | 3    |
| 665420       | PL.25568    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18   | 2.58         | 0        | 13         | 14   | 68      | 0.00       | 0.0               | 0.298             | 0.000          | 13         | 14           | 1  | 1    |
| 665419       | PL.25568    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18   | 1.99         | 0        | 10         | 11   | 67      | 0.00       | 0.0               | 0.298             | 0.000          | 10         | 11           | 1  | 1    |
| 665421       | PL.25568    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18   | 0.53         | 0        | 3          | 3    | 71      | 0.00       | 0.0               | 0.298             | 0.000          | 3          | 3            | 1  | 1    |
| 665422       | PL.43517    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.17   | 0.82         | 0        | 4          | 5    | 62      | 0.00       | 0.0               | 0.260             | 0.000          | 4          | 5            | 1  | 1    |
| 665423       | PL.43517    | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.17   | 0.93         | 0        | 5          | 5    | 71      | 0.00       | 0.0               | 0.260             | 0.000          | 5          | 5            | 1  | 1    |
| PL.43520     | PL.43516    | A   | 4ACSR              | 7.54Y     | 125.7        | 0.02            | 0.34   | 7.77         | 4        | 58         | 9    | 99      | 0.02       | 0.0               | 0.276             | 0.063          | 0          | 0            | 0  | 0    |
|              |             | B   |                    | 7.55Y     | 125.9        | 0.02            | 0.10   | 7.76         | 4        | 58         | 9    | 99      |            |                   |                   |                | 0          | 0            | 0  | 0    |
|              |             | C   |                    | 7.55Y     | 125.9        | 0.02            | 0.15   | 7.76         | 4        | 58         | 9    | 99      |            |                   |                   |                | 0          | 0            | 0  | 0    |

Unbalanced Voltage Drop Report  
Source: TREEHAVEN

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Units Displayed In Volts |             |     |                    |           |              |                 |               |              |          |            |      |         |            |           |                   |                |                   |    |      |   |
|--------------------------|-------------|-----|--------------------|-----------|--------------|-----------------|---------------|--------------|----------|------------|------|---------|------------|-----------|-------------------|----------------|-------------------|----|------|---|
| -Base Voltage:120.0-     |             |     |                    |           |              |                 |               |              |          |            |      |         |            |           |                   |                |                   |    |      |   |
| Element Name             | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    |      |   |
|                          |             |     |                    |           |              |                 |               |              |          |            |      |         |            |           |                   | KW             | KVAR              | On | Thru |   |
| PL.43519                 | PL.43520    | A   | 4ACSR              | 7.54Y     | 125.6        | 0.02            | 0.36          | 7.77         | 4        | 58         | 9    | 99      | 0.03       | 0.0       | 0.346             | 0.070          | 0                 | 0  | 0    | 0 |
|                          |             | B   |                    | 7.55Y     | 125.9        | 0.02            | 0.12          | 7.76         | 4        | 58         | 9    | 99      |            |           |                   |                | 0                 | 0  | 0    | 0 |
|                          |             | C   |                    | 7.55Y     | 125.8        | 0.02            | 0.17          | 7.76         | 4        | 58         | 9    | 99      |            |           |                   |                | 0                 | 0  | 0    | 0 |
| PL.306                   | PL.43519    | A   | 4ACSR              | 7.54Y     | 125.6        | 0.04            | 0.39          | 7.77         | 4        | 58         | 9    | 99      | 0.05       | 0.0       | 0.467             | 0.121          | 0                 | 0  | 0    | 0 |
|                          |             | B   |                    | 7.55Y     | 125.8        | 0.04            | 0.15          | 7.76         | 4        | 58         | 9    | 99      |            |           |                   |                | 0                 | 0  | 0    | 0 |
|                          |             | C   |                    | 7.55Y     | 125.8        | 0.04            | 0.20          | 7.76         | 4        | 58         | 9    | 99      |            |           |                   |                | 0                 | 0  | 0    | 0 |
| 666501                   | PL.306      | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39          | 7.77         | 0        | 58         | 9    | 99      | 0.00       | 0.0       | 0.467             | 0.000          | 58                | 9  | 0    | 0 |
|                          |             | B   |                    | 7.55Y     | 125.8        | 0.00            | 0.15          | 7.76         | 0        | 58         | 9    | 99      |            |           |                   |                | 58                | 9  | 0    | 0 |
|                          |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.20          | 7.76         | 0        | 58         | 9    | 99      |            |           |                   |                | 58                | 9  | 0    | 0 |
| PL.307                   | PL.20179    | A   | 2ACSR              | 7.54Y     | 125.7        | 0.03            | 0.34          | 53.61        | 21       | 395        | 88   | 98      | 0.29       | 0.0       | 0.225             | 0.025          | 0                 | 0  | 0    | 0 |
|                          |             | B   |                    | 7.55Y     | 125.9        | 0.03            | 0.11          | 53.51        | 21       | 395        | 88   | 98      |            |           |                   |                | 0                 | 0  | 0    | 0 |
|                          |             | C   |                    | 7.55Y     | 125.8        | 0.03            | 0.15          | 53.53        | 21       | 395        | 88   | 98      |            |           |                   |                | 0                 | 0  | 0    | 0 |
| PL.24361                 | PL.307      | A   | 1/0EPRJCN          | 7.54Y     | 125.6        | 0.02            | 0.36          | 53.61        | 28       | 395        | 88   | 98      | 0.16       | 0.0       | 0.245             | 0.020          | 0                 | 0  | 0    | 0 |
|                          |             | B   |                    | 7.55Y     | 125.9        | 0.02            | 0.12          | 53.51        | 28       | 395        | 88   | 98      |            |           |                   |                | 0                 | 0  | 0    | 0 |
|                          |             | C   |                    | 7.55Y     | 125.8        | 0.02            | 0.17          | 53.53        | 28       | 395        | 88   | 98      |            |           |                   |                | 0                 | 0  | 0    | 0 |
| 664503                   | PL.24361    | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.36          | 53.61        | 0        | 395        | 88   | 98      | 0.00       | 0.0       | 0.245             | 0.000          | 395               | 88 | 0    | 0 |
|                          |             | B   |                    | 7.55Y     | 125.9        | 0.00            | 0.12          | 53.51        | 0        | 395        | 88   | 98      |            |           |                   |                | 395               | 88 | 0    | 0 |
|                          |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.17          | 53.53        | 0        | 395        | 88   | 98      |            |           |                   |                | 395               | 88 | 0    | 0 |
| 664418                   | PL.8783     | C   | Consumer           | 7.56Y     | 125.9        | 0.00            | 0.08          | 1.42         | 0        | 7          | 8    | 66      | 0.00       | 0.0       | 0.169             | 0.000          | 7                 | 8  | 1    | 1 |
| 664417                   | PL.8783     | C   | Consumer           | 7.56Y     | 125.9        | 0.00            | 0.08          | 2.12         | 0        | 11         | 12   | 68      | 0.00       | 0.0       | 0.169             | 0.000          | 11                | 12 | 1    | 1 |
| CP.29<br>P<br>P          | PL.20184    | A   | Cap (600)          | 7.55Y     | 125.9        | 0.00            | 0.12          | -29.14       | 0        | 0          | -220 | 0       | 0.00       | 0.0       | 0.119             | 0.000          | 0                 | 0  | 0    | 0 |
|                          |             | B   |                    | 7.56Y     | 126.0        | 0.00            | 0.01          | -29.17       | 0        | 0          | -220 | 0       |            |           |                   |                | 0                 | 0  | 0    | 0 |
|                          |             | C   |                    | 7.56Y     | 126.0        | 0.00            | 0.02          | -29.16       | 0        | 0          | -220 | 0       |            |           |                   |                | 0                 | 0  | 0    | 0 |
| PL.20613                 | PL.32925    | A   | 336ACSR            | 7.56Y     | 126.0        | 0.00            | 0.02          | 0.56         | 0        | 4          | 2    | 89      | 0.00       | 0.0       | 0.079             | 0.045          | 0                 | 0  | 0    | 1 |
|                          |             | B   |                    | 7.56Y     | 126.0        | 0.00            | -0.00         | 0.56         | 0        | 4          | 2    | 90      |            |           |                   |                | 0                 | 0  | 0    | 1 |
|                          |             | C   |                    | 7.56Y     | 126.0        | 0.00            | -0.00         | 0.56         | 0        | 4          | 2    | 90      |            |           |                   |                | 0                 | 0  | 0    | 1 |
| PL.20614                 | PL.20613    | A   | 336ACSR            | 7.56Y     | 126.0        | 0.00            | 0.02          | 0.56         | 0        | 4          | 2    | 89      | 0.00       | 0.0       | 0.096             | 0.017          | 0                 | 0  | 0    | 1 |
|                          |             | B   |                    | 7.56Y     | 126.0        | 0.00            | -0.00         | 0.56         | 0        | 4          | 2    | 90      |            |           |                   |                | 0                 | 0  | 0    | 1 |
|                          |             | C   |                    | 7.56Y     | 126.0        | 0.00            | -0.00         | 0.56         | 0        | 4          | 2    | 90      |            |           |                   |                | 0                 | 0  | 0    | 1 |
| 662506                   | PL.20614    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.02          | 0.47         | 0        | 3          | 2    | 83      | 0.00       | 0.0       | 0.096             | 0.000          | 3                 | 2  | 0    | 0 |
|                          |             | B   |                    | 7.56Y     | 126.0        | 0.00            | -0.00         | 0.47         | 0        | 3          | 2    | 90      |            |           |                   |                | 3                 | 2  | 0    | 0 |
|                          |             | C   |                    | 7.56Y     | 126.0        | 0.00            | -0.00         | 0.47         | 0        | 3          | 2    | 90      |            |           |                   |                | 3                 | 2  | 0    | 0 |
| 662505                   | PL.20614    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.02          | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 0.096             | 0.000          | 1                 | 0  | 0    | 0 |
|                          |             | B   |                    | 7.56Y     | 126.0        | 0.00            | -0.00         | 0.09         | 0        | 1          | 0    | 90      |            |           |                   |                | 1                 | 0  | 0    | 0 |
|                          |             | C   |                    | 7.56Y     | 126.0        | 0.00            | -0.00         | 0.09         | 0        | 1          | 0    | 90      |            |           |                   |                | 1                 | 0  | 0    | 0 |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

|      | Load | Adjustment | Capacitance | Charging | Gen&Motors | Loops&Metas | Losses | No Load | Losses | Total |
|------|------|------------|-------------|----------|------------|-------------|--------|---------|--------|-------|
| KW   | 5205 | 0          | 0           | 0        | 0          | 0           | 17     | 0.00    | 5221   |       |
| KVAR | 3057 | 0          | -2308       | -14      | 0          | 0           | 17     |         | 753    |       |

  

| Lowest Voltage                      | Highest Accumulated Voltage Drop | Highest Element Voltage Drop |
|-------------------------------------|----------------------------------|------------------------------|
| A-Phase -> 125.22 volts on PL.7811  | 0.78 volts on PL.7811            | 0.19 volts on PL.305         |
| B-Phase -> 124.40 volts on PL.29447 | 1.60 volts on PL.29447           | 0.20 volts on PL.9215        |
| C-Phase -> 125.43 volts on PL.29407 | 0.57 volts on PL.29407           | 0.26 volts on PL.32931       |

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for UNION CITY, PL.28916, and Feeder No. 1 (UNIONCITY1).

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |     |
| 116643       | PL.4659     | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.65         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 1.277             | 0.000 | 10         | 1            | 1    | 1   |
| PL.4663      | PL.4659     | C   | 4ACSR              | 15.07Y    | 125.6        | 0.01            | 0.40                     | 8.19         | 4        | 122        | 18      | 99         | 0.01      | 0.0               | 1.357             | 0.080 | 0          | 0            | 0    | 12  |
| PL.4664      | PL.4663     | C   | 4ACSR              | 15.07Y    | 125.6        | 0.03            | 0.43                     | 7.40         | 4        | 110        | 17      | 99         | 0.03      | 0.0               | 1.549             | 0.192 | 0          | 0            | 0    | 10  |
| PL.4665      | PL.4664     | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.43                     | 0.92         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 1.613             | 0.064 | 0          | 0            | 0    | 2   |
| 116647       | PL.4665     | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.43                     | 0.08         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.613             | 0.000 | 1          | 0            | 1    | 1   |
| 116639       | PL.4665     | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.43                     | 0.83         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.613             | 0.000 | 12         | 2            | 1    | 1   |
| PL.619       | PL.4664     | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.43                     | 1.58         | 1        | 23         | 4       | 99         | 0.00      | 0.0               | 1.598             | 0.049 | 0          | 0            | 0    | 1   |
| 116617       | PL.619      | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.43                     | 1.58         | 0        | 23         | 4       | 99         | 0.00      | 0.0               | 1.598             | 0.000 | 23         | 4            | 1    | 1   |
| PL.620       | PL.4664     | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.44                     | 3.51         | 2        | 52         | 8       | 99         | 0.00      | 0.0               | 1.596             | 0.047 | 0          | 0            | 0    | 4   |
| PL.636       | PL.620      | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.44                     | 2.32         | 1        | 35         | 5       | 99         | 0.00      | 0.0               | 1.672             | 0.076 | 0          | 0            | 0    | 3   |
| PL.642       | PL.636      | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.44                     | 0.73         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 1.977             | 0.305 | 0          | 0            | 0    | 1   |
| 116646       | PL.642      | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.44                     | 0.73         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 1.977             | 0.000 | 11         | 2            | 1    | 1   |
| PL.643       | PL.636      | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.44                     | 0.91         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 1.707             | 0.034 | 0          | 0            | 0    | 1   |
| PL.644       | PL.643      | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.44                     | 0.91         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 1.856             | 0.149 | 0          | 0            | 0    | 1   |
| 116657       | PL.644      | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.44                     | 0.91         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 1.856             | 0.000 | 14         | 2            | 1    | 1   |
| 116637       | PL.636      | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.44                     | 0.67         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 1.672             | 0.000 | 10         | 2            | 1    | 1   |
| 116609       | PL.620      | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.44                     | 1.20         | 0        | 18         | 3       | 99         | 0.00      | 0.0               | 1.596             | 0.000 | 18         | 3            | 1    | 1   |
| 116642       | PL.4664     | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.43                     | 0.33         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.549             | 0.000 | 5          | 1            | 1    | 1   |
| 116641       | PL.4664     | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.43                     | 0.60         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.549             | 0.000 | 9          | 1            | 1    | 1   |
| 116640       | PL.4664     | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.43                     | 0.47         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.549             | 0.000 | 7          | 1            | 1    | 1   |
| PL.618       | PL.4663     | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.40                     | 0.78         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.476             | 0.119 | 0          | 0            | 0    | 2   |
| PL.651       | PL.618      | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.40                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.524             | 0.048 | 0          | 0            | 0    | 1   |
| 116661       | PL.651      | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.40                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.524             | 0.000 | 0          | 0            | 1    | 1   |
| 116608       | PL.618      | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.40                     | 0.76         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 1.476             | 0.000 | 11         | 2            | 1    | 1   |
| 116604       | PL.4658     | C   | Consumer           | 15.08Y    | 125.6        | 0.00            | 0.37                     | 0.31         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.177             | 0.000 | 5          | 1            | 1    | 1   |
| PL.17715     | PL.19705    | A   | 1/0ACSR            | 15.10Y    | 125.8        | -0.00           | 0.15                     | 2.29         | 1        | 33         | -11     | -95        | 0.34      | 0.0               | 1.002             | 0.053 | 0          | 0            | 0    | 5   |
|              |             | B   |                    | 15.04Y    | 125.3        | 0.04            | 0.68                     | 67.77        | 21       | 1010       | 142     | 99         |           |                   |                   |       | 0          | 0            | 0    | 129 |
|              |             | C   |                    | 15.08Y    | 125.7        | 0.01            | 0.33                     | 45.69        | 14       | 683        | 91      | 99         |           |                   |                   |       | 0          | 0            | 0    | 68  |
| PD.58-A      | PL.17715    | A   | Closed             | 15.10Y    | 125.8        | 0.00            | 0.15                     | 2.29         | 0        | 33         | -11     | -95        | 0.00      | 0.0               | 1.002             | 0.000 | 0          | 0            | 0    | 5   |
|              |             | B   |                    | 15.04Y    | 125.3        | 0.00            | 0.68                     | 67.77        | 0        | 1009       | 142     | 99         |           |                   |                   |       | 0          | 0            | 0    | 129 |
|              |             | C   |                    | 15.08Y    | 125.7        | 0.00            | 0.33                     | 45.69        | 0        | 683        | 90      | 99         |           |                   |                   |       | 0          | 0            | 0    | 68  |
| PD.58-B      | PD.58-A     | A   | Closed             | 15.10Y    | 125.8        | 0.00            | 0.15                     | 2.29         | 0        | 33         | -11     | -95        | 0.00      | 0.0               | 1.002             | 0.000 | 0          | 0            | 0    | 5   |
|              |             | B   |                    | 15.04Y    | 125.3        | 0.00            | 0.68                     | 67.77        | 0        | 1009       | 142     | 99         |           |                   |                   |       | 0          | 0            | 0    | 129 |
|              |             | C   |                    | 15.08Y    | 125.7        | 0.00            | 0.33                     | 45.69        | 0        | 683        | 90      | 99         |           |                   |                   |       | 0          | 0            | 0    | 68  |
| PL.17716     | PD.58-B     | A   | 1/0ACSR            | 15.10Y    | 125.8        | -0.00           | 0.15                     | 2.29         | 1        | 33         | -11     | -95        | 0.25      | 0.0               | 1.041             | 0.039 | 0          | 0            | 0    | 5   |
|              |             | B   |                    | 15.03Y    | 125.3        | 0.03            | 0.72                     | 67.77        | 21       | 1009       | 142     | 99         |           |                   |                   |       | 0          | 0            | 0    | 129 |
|              |             | C   |                    | 15.08Y    | 125.7        | 0.01            | 0.34                     | 45.69        | 14       | 683        | 90      | 99         |           |                   |                   |       | 0          | 0            | 0    | 68  |
| 117602       | PL.17716    | B   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 1.13         | 0        | 17         | 3       | 98         | 0.00      | 0.0               | 1.041             | 0.000 | 17         | 3            | 1    | 1   |
| 117647       | PL.17716    | B   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72                     | 0.12         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 1.041             | 0.000 | 2          | 1            | 1    | 1   |
| PL.5439      | PL.17716    | A   | 1/0ACSR            | 15.10Y    | 125.9        | -0.00           | 0.15                     | 2.29         | 1        | 33         | -11     | -95        | 0.11      | 0.0               | 1.059             | 0.017 | 0          | 0            | 0    | 5   |
|              |             | B   |                    | 15.03Y    | 125.3        | 0.01            | 0.73                     | 66.53        | 20       | 991        | 138     | 99         |           |                   |                   |       | 0          | 0            | 0    | 127 |
|              |             | C   |                    | 15.08Y    | 125.7        | 0.00            | 0.34                     | 45.69        | 14       | 683        | 90      | 99         |           |                   |                   |       | 0          | 0            | 0    | 68  |

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PL.29, PL.22293, PD.3503, etc.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, Element KVAR, Cons On, Cons Thru. Includes data for various elements like PL.27524, PD.72-A, etc.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PD.70-B, PL.650, PL.9632, etc.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for elements PD.52-B, PL.27520, PL.5378, PL.8855, PL.37193, PD.5742, PL.37194, 115609, PL.17563, 115612, 115617, PL.17564, PL.17559, PL.37195, PD.5743, PL.37196, 1156041, 115625, PL.17560, PL.9496, PL.9497, 115632, PL.37206, PD.5746, PL.43973, 115667, 1156040, PL.43974, PL.17840, PL.8849, PL.9494, PL.5503, 115532, PL.5504, PL.9495.



Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.491       | PL.8835     | B   | 4ACSR              | 14.80Y    | 123.3        | 0.01            | 2.68                     | 1.88         | 1        | 28         | 4    | 99      | 0.00       | 0.0               | 4.991                               | 0.234 | 0    | 0          | 0            | 3         |
| 114502       | PL.491      | B   | Consumer           | 14.80Y    | 123.3        | 0.00            | 2.68                     | 1.06         | 0        | 16         | 2    | 99      | 0.00       | 0.0               | 4.991                               | 0.000 | 16   | 2          | 1            | 1         |
| PL.4653      | PL.491      | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.69                     | 0.82         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 5.049                               | 0.058 | 0    | 0          | 0            | 1         |
| PL.4654      | PL.4653     | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.161                               | 0.112 | 0    | 0          | 0            | 0         |
| PL.490       | PL.4654     | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.329                               | 0.168 | 0    | 0          | 0            | 0         |
| PL.492       | PL.490      | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.365                               | 0.037 | 0    | 0          | 0            | 0         |
| 114528       | PL.4653     | B   | Consumer           | 14.80Y    | 123.3        | 0.00            | 2.69                     | 0.82         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 5.049                               | 0.000 | 12   | 2          | 1            | 1         |
| PL.36760     | PL.491      | B   | 2ACSR              | 14.80Y    | 123.3        | 0.00            | 2.68                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.024                               | 0.033 | 0    | 0          | 0            | 1         |
| 1145032      | PL.36760    | B   | Consumer           | 14.80Y    | 123.3        | 0.00            | 2.68                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.024                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.8836      | PL.8835     | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.68                     | 0.19         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.828                               | 0.071 | 0    | 0          | 0            | 3         |
| PL.8833      | PL.8836     | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.68                     | 0.19         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.864                               | 0.036 | 0    | 0          | 0            | 3         |
| PL.8834      | PL.8833     | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.68                     | 0.18         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.969                               | 0.105 | 0    | 0          | 0            | 2         |
| PL.5373      | PL.8834     | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.68                     | 0.18         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.971                               | 0.002 | 0    | 0          | 0            | 2         |
| PL.4650      | PL.5373     | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.68                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.062                               | 0.091 | 0    | 0          | 0            | 1         |
| 114513       | PL.4650     | B   | Consumer           | 14.80Y    | 123.3        | 0.00            | 2.68                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.062                               | 0.000 | 0    | 0          | 1            | 1         |
| 114504       | PL.5373     | B   | Consumer           | 14.80Y    | 123.3        | 0.00            | 2.68                     | 0.15         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.971                               | 0.000 | 2    | 0          | 1            | 1         |
| 114503       | PL.8833     | B   | Consumer           | 14.80Y    | 123.3        | 0.00            | 2.68                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.864                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.8832      | PL.8838     | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.65                     | 0.94         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 4.359                               | 0.029 | 0    | 0          | 0            | 4         |
| PL.27513     | PL.8832     | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.65                     | 0.49         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.442                               | 0.083 | 0    | 0          | 0            | 2         |
| PL.27514     | PL.27513    | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.66                     | 0.49         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.523                               | 0.081 | 0    | 0          | 0            | 2         |
| PL.4652      | PL.27514    | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.66                     | 0.49         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.591                               | 0.068 | 0    | 0          | 0            | 1         |
| PL.10261     | PL.4652     | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.66                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.670                               | 0.079 | 0    | 0          | 0            | 0         |
| PL.46085     | PL.10261    | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.66                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.686                               | 0.016 | 0    | 0          | 0            | 0         |
| PD.50-B      | PL.46085    | B   | Open               | 14.80Y    | 123.3        | 0.00            | 2.66                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.686                               | 0.000 | 0    | 0          | 0            | 0         |
| 114529       | PL.4652     | B   | Consumer           | 14.80Y    | 123.3        | 0.00            | 2.66                     | 0.49         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.591                               | 0.000 | 7    | 1          | 1            | 1         |
| 114508       | PL.27514    | B   | Consumer           | 14.80Y    | 123.3        | 0.00            | 2.66                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.523                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.37214     | PL.8832     | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.65                     | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.366                               | 0.007 | 0    | 0          | 0            | 2         |
| PD.5750      | PL.37214    | B   | fuse6AMP           | 14.80Y    | 123.3        | 0.00            | 2.65                     | 0.45         | 8        | 7          | 1    | 99      | 0.00       | 0.0               | 4.366                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.37215     | PD.5750     | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.65                     | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.427                               | 0.061 | 0    | 0          | 0            | 2         |
| 114522       | PL.37215    | B   | Consumer           | 14.80Y    | 123.3        | 0.00            | 2.65                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.427                               | 0.000 | 0    | 0          | 1            | 1         |
| 114521       | PL.37215    | B   | Consumer           | 14.80Y    | 123.3        | 0.00            | 2.65                     | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.427                               | 0.000 | 7    | 1          | 1            | 1         |
| 114530       | PL.20263    | B   | Consumer           | 14.80Y    | 123.4        | 0.00            | 2.64                     | 0.19         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.246                               | 0.000 | 3    | 0          | 1            | 1         |
| 114520       | PL.20263    | B   | Consumer           | 14.80Y    | 123.4        | 0.00            | 2.64                     | 1.36         | 0        | 20         | 3    | 99      | 0.00       | 0.0               | 4.246                               | 0.000 | 20   | 3          | 1            | 1         |
| 114527       | PL.19805    | B   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.61                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.002                               | 0.000 | 0    | 0          | 1            | 1         |
| 114523       | PL.19805    | B   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.61                     | 0.99         | 0        | 15         | 2    | 99      | 0.00       | 0.0               | 4.002                               | 0.000 | 15   | 2          | 1            | 1         |
| 114517       | PL.8839     | B   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.59                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.914                               | 0.000 | 0    | 0          | 1            | 1         |
| 114506       | PL.8840     | B   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.57                     | 0.12         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.832                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.17556     | PL.8841     | B   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.56                     | 3.85         | 2        | 56         | 9    | 99      | 0.00       | 0.0               | 3.797                               | 0.043 | 0    | 0          | 0            | 9         |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PD.804       | PL.17556    | B   | fuse6AMP           | 14.81Y    | 123.4        | 0.00            | 2.56   | 3.85         | 66       | 56         | 9       | 99         | 0.00      | 0.0               | 3.797                               | 0.000 | 0    | 0          | 0            | 9 |
| PL.19515     | PD.804      | B   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.57   | 3.85         | 2        | 56         | 9       | 99         | 0.00      | 0.0               | 3.822                               | 0.025 | 0    | 0          | 0            | 9 |
| 114526       | PL.19515    | B   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.57   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.822                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.19516     | PL.19515    | B   | 4ACSR              | 14.81Y    | 123.4        | 0.01            | 2.57   | 3.85         | 2        | 56         | 9       | 99         | 0.00      | 0.0               | 3.891                               | 0.069 | 0    | 0          | 0            | 8 |
| PL.23687     | PL.19516    | B   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.57   | 3.85         | 2        | 56         | 9       | 99         | 0.00      | 0.0               | 3.896                               | 0.005 | 0    | 0          | 0            | 8 |
| PL.23686     | PL.23687    | B   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.57   | 1.81         | 1        | 26         | 4       | 99         | 0.00      | 0.0               | 3.899                               | 0.003 | 0    | 0          | 0            | 2 |
| PL.488       | PL.23686    | B   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.57   | 1.81         | 1        | 26         | 4       | 99         | 0.00      | 0.0               | 3.976                               | 0.077 | 0    | 0          | 0            | 2 |
| PL.5369      | PL.488      | B   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.58   | 1.81         | 1        | 26         | 4       | 99         | 0.00      | 0.0               | 4.028                               | 0.052 | 0    | 0          | 0            | 2 |
| PL.5370      | PL.5369     | B   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.58   | 0.96         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 4.084                               | 0.056 | 0    | 0          | 0            | 1 |
| 114515       | PL.5370     | B   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.58   | 0.96         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 4.084                               | 0.000 | 14   | 2          | 1            | 1 |
| 114516       | PL.5369     | B   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.58   | 0.85         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 4.028                               | 0.000 | 12   | 2          | 1            | 1 |
| PL.5496      | PL.23687    | B   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.57   | 2.04         | 1        | 30         | 5       | 99         | 0.00      | 0.0               | 3.929                               | 0.033 | 0    | 0          | 0            | 6 |
| PL.8843      | PL.5496     | B   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.57   | 1.83         | 1        | 27         | 4       | 99         | 0.00      | 0.0               | 3.975                               | 0.046 | 0    | 0          | 0            | 4 |
| PL.8844      | PL.8843     | B   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.57   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.263                               | 0.288 | 0    | 0          | 0            | 1 |
| 115501       | PL.8844     | B   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.57   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.263                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.23684     | PL.8843     | B   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.58   | 1.83         | 1        | 27         | 4       | 99         | 0.00      | 0.0               | 4.087                               | 0.113 | 0    | 0          | 0            | 3 |
| 115508       | PL.23684    | B   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.58   | 0.93         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 4.087                               | 0.000 | 14   | 2          | 1            | 1 |
| 115522       | PL.23684    | B   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.58   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.087                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.23692     | PL.23684    | B   | 4ACSR              | 14.81Y    | 123.4        | 0.00            | 2.58   | 0.87         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 4.147                               | 0.060 | 0    | 0          | 0            | 1 |
| 115531       | PL.23692    | B   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.58   | 0.87         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 4.147                               | 0.000 | 13   | 2          | 1            | 1 |
| 115503       | PL.5496     | B   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.57   | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.929                               | 0.000 | 2    | 0          | 1            | 1 |
| 115529       | PL.5496     | B   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.57   | 0.05         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.929                               | 0.000 | 1    | 0          | 1            | 1 |
| 114510       | PL.5496     | B   | Consumer           | 14.81Y    | 123.4        | 0.00            | 2.57   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.929                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.489       | PL.8845     | B   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.53   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.660                               | 0.002 | 0    | 0          | 0            | 0 |
| PL.37210     | PL.8846     | B   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.51   | 1.51         | 1        | 22         | 3       | 99         | 0.00      | 0.0               | 3.570                               | 0.009 | 0    | 0          | 0            | 4 |
| PD.5748      | PL.37210    | B   | fuse6AMP           | 14.82Y    | 123.5        | 0.00            | 2.51   | 1.51         | 26       | 22         | 3       | 99         | 0.00      | 0.0               | 3.570                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.37211     | PD.5748     | B   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.51   | 1.51         | 1        | 22         | 3       | 99         | 0.00      | 0.0               | 3.599                               | 0.029 | 0    | 0          | 0            | 4 |
| PL.609       | PL.37211    | B   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.51   | 1.51         | 1        | 22         | 3       | 99         | 0.00      | 0.0               | 3.637                               | 0.038 | 0    | 0          | 0            | 4 |
| PL.610       | PL.609      | B   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.51   | 0.51         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.704                               | 0.067 | 0    | 0          | 0            | 2 |
| PL.611       | PL.610      | B   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.51   | 0.08         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.775                               | 0.072 | 0    | 0          | 0            | 1 |
| 115606       | PL.611      | B   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.51   | 0.08         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.775                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.635       | PL.610      | B   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.51   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.781                               | 0.077 | 0    | 0          | 0            | 0 |
| 115630       | PL.610      | B   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.51   | 0.42         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.704                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.608       | PL.609      | B   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.51   | 0.44         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.818                               | 0.181 | 0    | 0          | 0            | 1 |
| 115607       | PL.608      | B   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.51   | 0.44         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.818                               | 0.000 | 7    | 1          | 1            | 1 |
| 115634       | PL.609      | B   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.51   | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.637                               | 0.000 | 8    | 1          | 1            | 1 |
| 115608       | PL.609      | B   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.51   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.637                               | 0.000 | 0    | 0          | 0            | 0 |
| 115505       | PL.8846     | B   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.51   | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.561                               | 0.000 | 9    | 1          | 1            | 1 |

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and '-Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 114609       | PL.473      | B   | Consumer           | 14.79Y    | 123.2        | 0.00            | 2.77                     | 0.98         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 5.121                               | 0.000 | 14   | 2          | 1            | 1  |
| 114607       | PL.17552    | B   | Consumer           | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.046                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.17553     | PL.17555    | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.945                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.472       | PL.17554    | B   | 4ACSR              | 14.79Y    | 123.3        | 0.00            | 2.75                     | 1.02         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 4.839                               | 0.180 | 0    | 0          | 0            | 1  |
| 114604       | PL.472      | B   | Consumer           | 14.79Y    | 123.3        | 0.00            | 2.75                     | 1.02         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 4.839                               | 0.000 | 15   | 2          | 1            | 1  |
| 1146013      | PL.472      | B   | Consumer           | 14.79Y    | 123.3        | 0.00            | 2.75                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.839                               | 0.000 | 0    | 0          | 0            | 0  |
| 114605       | PL.17554    | B   | Consumer           | 14.79Y    | 123.3        | 0.00            | 2.75                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.659                               | 0.000 | 5    | 1          | 1            | 1  |
| PL.36751     | PL.36747    | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.68                     | 9.70         | 5        | 142        | 21      | 99         | 0.00      | 0.0               | 3.991                               | 0.020 | 0    | 0          | 0            | 22 |
| PD.5733-A    | PL.36751    | B   | Closed             | 14.80Y    | 123.3        | 0.00            | 2.68                     | 9.70         | 0        | 142        | 21      | 99         | 0.00      | 0.0               | 3.991                               | 0.000 | 0    | 0          | 0            | 22 |
| PD.5733-B    | PD.5733-A   | B   | Closed             | 14.80Y    | 123.3        | 0.00            | 2.68                     | 9.70         | 0        | 142        | 21      | 99         | 0.00      | 0.0               | 3.991                               | 0.000 | 0    | 0          | 0            | 22 |
| PL.36750     | PD.5733-B   | B   | 4ACSR              | 14.80Y    | 123.3        | 0.01            | 2.69                     | 9.70         | 5        | 142        | 21      | 99         | 0.01      | 0.0               | 4.035                               | 0.044 | 0    | 0          | 0            | 22 |
| PL.9503      | PL.36750    | B   | 4ACSR              | 14.79Y    | 123.3        | 0.06            | 2.75                     | 8.48         | 4        | 124        | 19      | 99         | 0.05      | 0.0               | 4.354                               | 0.319 | 0    | 0          | 0            | 21 |
| PL.17561     | PL.9503     | B   | 4ACSR              | 14.79Y    | 123.2        | 0.01            | 2.76                     | 4.53         | 2        | 66         | 10      | 99         | 0.00      | 0.0               | 4.417                               | 0.063 | 0    | 0          | 0            | 12 |
| PD.806       | PL.17561    | B   | fuse6AMP           | 14.79Y    | 123.2        | 0.00            | 2.76                     | 4.53         | 77       | 66         | 10      | 99         | 0.00      | 0.0               | 4.417                               | 0.000 | 0    | 0          | 0            | 12 |
| PL.17562     | PD.806      | B   | 4ACSR              | 14.78Y    | 123.2        | 0.04            | 2.79                     | 4.53         | 2        | 66         | 10      | 99         | 0.02      | 0.0               | 4.822                               | 0.404 | 0    | 0          | 0            | 12 |
| PL.632       | PL.17562    | B   | 4ACSR              | 14.78Y    | 123.2        | 0.00            | 2.80                     | 0.97         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 5.024                               | 0.202 | 0    | 0          | 0            | 3  |
| PL.5379      | PL.632      | B   | 4ACSR              | 14.78Y    | 123.2        | 0.00            | 2.80                     | 0.20         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.160                               | 0.136 | 0    | 0          | 0            | 2  |
| 116644       | PL.5379     | B   | Consumer           | 14.78Y    | 123.2        | 0.00            | 2.80                     | 0.08         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.160                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.5380      | PL.5379     | B   | 4ACSR              | 14.78Y    | 123.2        | 0.00            | 2.80                     | 0.13         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.231                               | 0.072 | 0    | 0          | 0            | 1  |
| 116606       | PL.5380     | B   | Consumer           | 14.78Y    | 123.2        | 0.00            | 2.80                     | 0.13         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.231                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.631       | PL.632      | B   | 4ACSR              | 14.78Y    | 123.2        | 0.00            | 2.80                     | 0.76         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 5.123                               | 0.099 | 0    | 0          | 0            | 1  |
| 116622       | PL.631      | B   | Consumer           | 14.78Y    | 123.2        | 0.00            | 2.80                     | 0.76         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 5.123                               | 0.000 | 11   | 2          | 1            | 1  |
| PL.633       | PL.17562    | B   | 4ACSR              | 14.78Y    | 123.2        | 0.01            | 2.80                     | 3.57         | 2        | 52         | 8       | 99         | 0.00      | 0.0               | 4.887                               | 0.065 | 0    | 0          | 0            | 9  |
| PL.634       | PL.633      | B   | 4ACSR              | 14.78Y    | 123.2        | 0.00            | 2.80                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.934                               | 0.047 | 0    | 0          | 0            | 1  |
| 115710       | PL.634      | B   | Consumer           | 14.78Y    | 123.2        | 0.00            | 2.80                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.934                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.9504      | PL.633      | B   | 4ACSR              | 14.78Y    | 123.2        | 0.01            | 2.81                     | 3.57         | 2        | 52         | 8       | 99         | 0.00      | 0.0               | 4.953                               | 0.066 | 0    | 0          | 0            | 8  |
| PL.9505      | PL.9504     | B   | 4ACSR              | 14.78Y    | 123.2        | 0.00            | 2.81                     | 2.15         | 1        | 31         | 5       | 99         | 0.00      | 0.0               | 5.007                               | 0.054 | 0    | 0          | 0            | 4  |
| 115701       | PL.9505     | B   | Consumer           | 14.78Y    | 123.2        | 0.00            | 2.81                     | 0.39         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.007                               | 0.000 | 6    | 1          | 1            | 1  |
| 115719       | PL.9505     | B   | Consumer           | 14.78Y    | 123.2        | 0.00            | 2.81                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.007                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.20556     | PL.9505     | B   | 4ACSR              | 14.78Y    | 123.2        | 0.01            | 2.81                     | 1.72         | 1        | 25         | 4       | 99         | 0.00      | 0.0               | 5.176                               | 0.169 | 0    | 0          | 0            | 2  |
| PD.818-A     | PL.20556    | B   | Closed             | 14.78Y    | 123.2        | 0.00            | 2.81                     | 1.72         | 0        | 25         | 4       | 99         | 0.00      | 0.0               | 5.176                               | 0.000 | 0    | 0          | 0            | 2  |
| PD.818-B     | PD.818-A    | B   | Closed             | 14.78Y    | 123.2        | 0.00            | 2.81                     | 1.72         | 0        | 25         | 4       | 99         | 0.00      | 0.0               | 5.176                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.20557     | PD.818-B    | B   | 4ACSR              | 14.78Y    | 123.2        | 0.00            | 2.81                     | 1.72         | 1        | 25         | 4       | 99         | 0.00      | 0.0               | 5.183                               | 0.006 | 0    | 0          | 0            | 2  |
| PL.638       | PL.20557    | B   | 4ACSR              | 14.78Y    | 123.2        | 0.00            | 2.81                     | 0.80         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 5.225                               | 0.043 | 0    | 0          | 0            | 1  |
| 115720       | PL.638      | B   | Consumer           | 14.78Y    | 123.2        | 0.00            | 2.81                     | 0.80         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 5.225                               | 0.000 | 12   | 2          | 1            | 1  |
| 115721       | PL.20557    | B   | Consumer           | 14.78Y    | 123.2        | 0.00            | 2.81                     | 0.92         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 5.183                               | 0.000 | 13   | 2          | 1            | 1  |
| PL.641       | PL.9504     | B   | 4ACSR              | 14.78Y    | 123.2        | 0.01            | 2.82                     | 1.42         | 1        | 21         | 3       | 99         | 0.00      | 0.0               | 5.336                               | 0.383 | 0    | 0          | 0            | 4  |
| PL.645       | PL.641      | B   | 4ACSR              | 14.78Y    | 123.2        | 0.00            | 2.82                     | 0.05         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.463                               | 0.127 | 0    | 0          | 0            | 1  |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 115725       | PL.645      | B   | Consumer           | 14.78Y    | 123.2        | 0.00            | 2.82                     | 0.05         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 5.463                               | 0.000 | 1    | 0          | 1            | 1         |
| 115722       | PL.641      | B   | Consumer           | 14.78Y    | 123.2        | 0.00            | 2.82                     | 1.21         | 0        | 18         | 3    | 99      | 0.00       | 0.0               | 5.336                               | 0.000 | 18   | 3          | 1            | 1         |
| PL.36498     | PL.641      | B   | 2ACSR              | 14.78Y    | 123.2        | 0.00            | 2.82                     | 0.16         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.368                               | 0.032 | 0    | 0          | 0            | 2         |
| 115723       | PL.36498    | B   | Consumer           | 14.78Y    | 123.2        | 0.00            | 2.82                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.368                               | 0.000 | 0    | 0          | 1            | 1         |
| 1157029      | PL.36498    | B   | Consumer           | 14.78Y    | 123.2        | 0.00            | 2.82                     | 0.13         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 5.368                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.9506      | PL.9503     | B   | 4ACSR              | 14.79Y    | 123.2        | 0.01            | 2.76                     | 3.95         | 2        | 58         | 9    | 99      | 0.00       | 0.0               | 4.466                               | 0.113 | 0    | 0          | 0            | 9         |
| PL.17566     | PL.9506     | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.73         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 4.512                               | 0.045 | 0    | 0          | 0            | 2         |
| PL.17565     | PL.17566    | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.73         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 4.521                               | 0.009 | 0    | 0          | 0            | 2         |
| PL.36738     | PL.17565    | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.72         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 4.532                               | 0.011 | 0    | 0          | 0            | 1         |
| PD.5729      | PL.36738    | B   | fuse6AMP           | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.72         | 12       | 11         | 2    | 98      | 0.00       | 0.0               | 4.532                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.36739     | PD.5729     | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.72         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 4.577                               | 0.045 | 0    | 0          | 0            | 1         |
| 115704       | PL.36739    | B   | Consumer           | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.72         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 4.577                               | 0.000 | 11   | 2          | 1            | 1         |
| 115716       | PL.17565    | B   | Consumer           | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.521                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.5387      | PL.17565    | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.524                               | 0.002 | 0    | 0          | 0            | 0         |
| PL.30834     | PL.5387     | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.528                               | 0.005 | 0    | 0          | 0            | 0         |
| PD.51-B      | PL.30834    | B   | Open               | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.528                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.596       | PL.9506     | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.76                     | 2.27         | 1        | 33         | 5    | 99      | 0.00       | 0.0               | 4.569                               | 0.102 | 0    | 0          | 0            | 4         |
| PL.598       | PL.596      | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.77                     | 0.85         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 4.668                               | 0.099 | 0    | 0          | 0            | 1         |
| 115703       | PL.598      | B   | Consumer           | 14.79Y    | 123.2        | 0.00            | 2.77                     | 0.85         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 4.668                               | 0.000 | 12   | 2          | 1            | 1         |
| PL.597       | PL.596      | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.77                     | 1.42         | 1        | 21         | 3    | 99      | 0.00       | 0.0               | 4.627                               | 0.058 | 0    | 0          | 0            | 3         |
| PL.649       | PL.597      | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.77                     | 0.80         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 4.673                               | 0.047 | 0    | 0          | 0            | 2         |
| PL.5395      | PL.649      | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.77                     | 0.80         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 4.727                               | 0.054 | 0    | 0          | 0            | 2         |
| PL.5396      | PL.5395     | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.77                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.787                               | 0.059 | 0    | 0          | 0            | 1         |
| 115727       | PL.5396     | B   | Consumer           | 14.79Y    | 123.2        | 0.00            | 2.77                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.787                               | 0.000 | 0    | 0          | 1            | 1         |
| 115726       | PL.5395     | B   | Consumer           | 14.79Y    | 123.2        | 0.00            | 2.77                     | 0.80         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 4.727                               | 0.000 | 12   | 2          | 1            | 1         |
| 115718       | PL.597      | B   | Consumer           | 14.79Y    | 123.2        | 0.00            | 2.77                     | 0.62         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.627                               | 0.000 | 9    | 1          | 1            | 1         |
| PL.600       | PL.9506     | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.95         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 4.612                               | 0.145 | 0    | 0          | 0            | 3         |
| PL.601       | PL.600      | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.33         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.691                               | 0.080 | 0    | 0          | 0            | 1         |
| PL.605       | PL.601      | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.752                               | 0.060 | 0    | 0          | 0            | 0         |
| 115711       | PL.601      | B   | Consumer           | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.33         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.691                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.599       | PL.600      | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.62         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.781                               | 0.170 | 0    | 0          | 0            | 2         |
| PL.258       | PL.599      | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.62         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.832                               | 0.051 | 0    | 0          | 0            | 2         |
| PL.477       | PL.258      | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.77                     | 0.62         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 5.001                               | 0.169 | 0    | 0          | 0            | 1         |
| 114720       | PL.477      | B   | Consumer           | 14.79Y    | 123.2        | 0.00            | 2.77                     | 0.62         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 5.001                               | 0.000 | 9    | 1          | 1            | 1         |
| 114704       | PL.258      | B   | Consumer           | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.832                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.604       | PL.599      | B   | 4ACSR              | 14.79Y    | 123.2        | 0.00            | 2.76                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.781                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.36744     | PL.36750    | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.69                     | 1.22         | 1        | 18         | 3    | 99      | 0.00       | 0.0               | 4.040                               | 0.005 | 0    | 0          | 0            | 1         |
| PD.5732      | PL.36744    | B   | fuse6AMP           | 14.80Y    | 123.3        | 0.00            | 2.69                     | 1.22         | 21       | 18         | 3    | 99      | 0.00       | 0.0               | 4.040                               | 0.000 | 0    | 0          | 0            | 1         |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| PL.36745     | PD.5732     | B   | 4ACSR              | 14.80Y    | 123.3        | 0.00            | 2.69                     | 1.22         | 1        | 18         | 3       | 99         | 0.00      | 0.0               | 4.133                               | 0.093 | 0    | 0          | 0            | 1    |
| 115610       | PL.36745    | B   | Consumer           | 14.80Y    | 123.3        | 0.00            | 2.69                     | 1.22         | 0        | 18         | 3       | 99         | 0.00      | 0.0               | 4.133                               | 0.000 | 18   | 3          | 1            | 1    |
| P PL.40580   | PL.40581    | B   | 1/0EPRJCN          | 14.80Y    | 123.4        | -0.00           | 2.63                     | 0.06         | 0        | 0          | -1      | 0          | 0.00      | 0.0               | 3.878                               | 0.048 | 0    | 0          | 0            | 1 P  |
| 1156038      | PL.40580    | B   | Consumer           | 14.80Y    | 123.4        | 0.00            | 2.63                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.878                               | 0.000 | 0    | 0          | 1            | 1    |
| PL.5390      | PL.27325    | B   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.48                     | 1.92         | 1        | 28         | 4       | 99         | 0.00      | 0.0               | 3.437                               | 0.029 | 0    | 0          | 0            | 2    |
| PL.5391      | PL.5390     | B   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.48                     | 0.73         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 3.477                               | 0.040 | 0    | 0          | 0            | 1    |
| 115613       | PL.5391     | B   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.48                     | 0.73         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 3.477                               | 0.000 | 11   | 2          | 1            | 1    |
| 115631       | PL.5390     | B   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.48                     | 1.19         | 0        | 17         | 3       | 98         | 0.00      | 0.0               | 3.437                               | 0.000 | 17   | 3          | 1            | 1    |
| 1156037      | PL.17560    | B   | Consumer           | 14.84Y    | 123.6        | 0.00            | 2.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.105                               | 0.000 | 0    | 0          | 0            | 0    |
| 115618       | PL.17560    | B   | Consumer           | 14.84Y    | 123.6        | 0.00            | 2.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.105                               | 0.000 | 0    | 0          | 1            | 1    |
| PL.37203     | PL.17560    | B   | 4ACSR              | 14.84Y    | 123.6        | 0.00            | 2.36                     | 1.07         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 3.109                               | 0.004 | 0    | 0          | 0            | 1    |
| PD.5744      | PL.37203    | B   | fuse6AMP           | 14.84Y    | 123.6        | 0.00            | 2.36                     | 1.07         | 18       | 16         | 2       | 99         | 0.00      | 0.0               | 3.109                               | 0.000 | 0    | 0          | 0            | 1    |
| PL.37202     | PD.5744     | B   | 4ACSR              | 14.84Y    | 123.6        | 0.00            | 2.36                     | 1.07         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 3.163                               | 0.054 | 0    | 0          | 0            | 1    |
| 115628       | PL.37202    | B   | Consumer           | 14.84Y    | 123.6        | 0.00            | 2.36                     | 1.07         | 0        | 16         | 2       | 99         | 0.00      | 0.0               | 3.163                               | 0.000 | 16   | 2          | 1            | 1    |
| PL.646       | PL.17564    | B   | 4ACSR              | 14.85Y    | 123.8        | 0.00            | 2.22                     | 0.79         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 2.963                               | 0.031 | 0    | 0          | 0            | 1    |
| 1156036      | PL.646      | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.22                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.963                               | 0.000 | 0    | 0          | 0            | 0    |
| 115668       | PL.646      | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.22                     | 0.79         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 2.963                               | 0.000 | 12   | 2          | 1            | 1    |
| 115626       | PL.17564    | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.22                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.931                               | 0.000 | 0    | 0          | 1            | 1    |
| 115602       | PL.17564    | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.22                     | 1.07         | 0        | 16         | 2       | 99         | 0.00      | 0.0               | 2.931                               | 0.000 | 16   | 2          | 1            | 1    |
| PL.33106     | PL.17564    | B   | 4ACSR              | 14.85Y    | 123.8        | 0.00            | 2.22                     | 14.66        | 8        | 215        | 33      | 99         | 0.00      | 0.0               | 2.938                               | 0.007 | 0    | 0          | 0            | 21   |
| C PD.3949    | PL.33106    | B   | fuse6AMP           | 14.85Y    | 123.8        | 0.00            | 2.22                     | 14.66        | 251      | 215        | 33      | 99         | 0.00      | 0.0               | 2.938                               | 0.000 | 0    | 0          | 0            | 21 C |
| PL.33107     | PD.3949     | B   | 4ACSR              | 14.85Y    | 123.8        | 0.01            | 2.23                     | 14.66        | 8        | 215        | 33      | 99         | 0.02      | 0.0               | 2.982                               | 0.043 | 0    | 0          | 0            | 21   |
| 115627       | PL.33107    | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.23                     | 0.90         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 2.982                               | 0.000 | 13   | 2          | 1            | 1    |
| 115623       | PL.33107    | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.23                     | 1.32         | 0        | 19         | 3       | 99         | 0.00      | 0.0               | 2.982                               | 0.000 | 19   | 3          | 1            | 1    |
| PL.5384      | PL.33107    | B   | 4ACSR              | 14.85Y    | 123.7        | 0.03            | 2.26                     | 12.45        | 6        | 183        | 28      | 99         | 0.04      | 0.0               | 3.078                               | 0.097 | 0    | 0          | 0            | 19   |
| PL.623       | PL.5384     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.26                     | 3.34         | 2        | 49         | 7       | 99         | 0.00      | 0.0               | 3.141                               | 0.062 | 0    | 0          | 0            | 2    |
| PL.630       | PL.623      | B   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.27                     | 3.34         | 2        | 49         | 7       | 99         | 0.00      | 0.0               | 3.161                               | 0.020 | 0    | 0          | 0            | 2    |
| 115616       | PL.630      | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.27                     | 1.71         | 0        | 25         | 4       | 99         | 0.00      | 0.0               | 3.161                               | 0.000 | 25   | 4          | 1            | 1    |
| 115624       | PL.630      | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.27                     | 1.63         | 0        | 24         | 4       | 99         | 0.00      | 0.0               | 3.161                               | 0.000 | 24   | 4          | 1            | 1    |
| 115605       | PL.5384     | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.26                     | 0.43         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.078                               | 0.000 | 6    | 1          | 1            | 1    |
| 1156035      | PL.5384     | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.26                     | 0.23         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.078                               | 0.000 | 3    | 1          | 1            | 1    |
| PL.5381      | PL.5384     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.26                     | 8.45         | 4        | 124        | 19      | 99         | 0.00      | 0.0               | 3.094                               | 0.016 | 0    | 0          | 0            | 15   |
| 115620       | PL.5381     | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.26                     | 0.95         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 3.094                               | 0.000 | 14   | 2          | 1            | 1    |
| PL.5382      | PL.5381     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.26                     | 7.50         | 4        | 110        | 17      | 99         | 0.00      | 0.0               | 3.099                               | 0.005 | 0    | 0          | 0            | 14   |
| PL.27846     | PL.5382     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.27                     | 7.50         | 4        | 110        | 17      | 99         | 0.00      | 0.0               | 3.109                               | 0.011 | 0    | 0          | 0            | 14   |
| PL.27847     | PL.27846    | B   | 4ACSR              | 14.85Y    | 123.7        | 0.01            | 2.27                     | 6.05         | 3        | 89         | 13      | 99         | 0.01      | 0.0               | 3.176                               | 0.067 | 0    | 0          | 0            | 12   |
| PL.17567     | PL.27847    | B   | 4ACSR              | 14.84Y    | 123.7        | 0.02            | 2.29                     | 4.13         | 2        | 61         | 9       | 99         | 0.01      | 0.0               | 3.392                               | 0.216 | 0    | 0          | 0            | 10   |
| PL.23689     | PL.17567    | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.30                     | 2.31         | 1        | 34         | 5       | 99         | 0.00      | 0.0               | 3.470                               | 0.077 | 0    | 0          | 0            | 5    |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 115510       | PL.23689    | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.470                               | 0.000 | 0    | 0          | 0            | 0 |
| 115514       | PL.23689    | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.470                               | 0.000 | 0    | 0          | 0            | 0 |
| 115515       | PL.23689    | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.470                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.5494      | PL.23689    | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.30                     | 2.11         | 1        | 31         | 5       | 99         | 0.00      | 0.0               | 3.507                               | 0.038 | 0    | 0          | 0            | 3 |
| 115525       | PL.5494     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.33         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.507                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.5495      | PL.5494     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.30                     | 1.78         | 1        | 26         | 4       | 99         | 0.00      | 0.0               | 3.571                               | 0.063 | 0    | 0          | 0            | 2 |
| 1155034      | PL.5495     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.84         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 3.571                               | 0.000 | 12   | 2          | 1            | 1 |
| 115519       | PL.5495     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.93         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 3.571                               | 0.000 | 14   | 2          | 1            | 1 |
| PL.779       | PL.23689    | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.20         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.552                               | 0.083 | 0    | 0          | 0            | 2 |
| 115524       | PL.779      | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.552                               | 0.000 | 0    | 0          | 1            | 1 |
| 115511       | PL.779      | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.19         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.552                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.17568     | PL.17567    | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.30                     | 1.83         | 1        | 27         | 4       | 99         | 0.00      | 0.0               | 3.450                               | 0.058 | 0    | 0          | 0            | 5 |
| PL.17569     | PL.17568    | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.64         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.648                               | 0.198 | 0    | 0          | 0            | 1 |
| 115518       | PL.17569    | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.64         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.648                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.5497      | PL.17568    | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.51         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.495                               | 0.045 | 0    | 0          | 0            | 2 |
| PL.5498      | PL.5497     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.51         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.572                               | 0.077 | 0    | 0          | 0            | 2 |
| 115523       | PL.5498     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.572                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.33081     | PL.5498     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.51         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.625                               | 0.053 | 0    | 0          | 0            | 1 |
| 1155033      | PL.33081    | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.51         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.625                               | 0.000 | 7    | 1          | 1            | 1 |
| 115517       | PL.17568    | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.67         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 3.450                               | 0.000 | 10   | 1          | 1            | 1 |
| 115504       | PL.17568    | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.450                               | 0.000 | 0    | 0          | 1            | 1 |
| 115526       | PL.27847    | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.75         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 3.176                               | 0.000 | 11   | 2          | 1            | 1 |
| 115512       | PL.27847    | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.27                     | 1.17         | 0        | 17         | 3       | 98         | 0.00      | 0.0               | 3.176                               | 0.000 | 17   | 3          | 1            | 1 |
| 115530       | PL.27846    | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.82         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 3.109                               | 0.000 | 12   | 2          | 1            | 1 |
| 115513       | PL.27846    | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.62         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.109                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.629       | PL.5382     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.26                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.099                               | 0.000 | 0    | 0          | 0            | 0 |
| 116611       | PL.27520    | B   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.85                     | 0.82         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 2.607                               | 0.000 | 12   | 2          | 1            | 1 |
| PL.27517     | PL.8854     | A   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.22                     | 1.82         | 1        | 27         | 4       | 99         | 0.00      | 0.0               | 2.545                               | 0.010 | 0    | 0          | 0            | 3 |
| PD.808       | PL.27517    | A   | fuse6AMP           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 1.82         | 31       | 27         | 4       | 99         | 0.00      | 0.0               | 2.545                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.27518     | PD.808      | A   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.23                     | 1.82         | 1        | 27         | 4       | 99         | 0.00      | 0.0               | 2.663                               | 0.119 | 0    | 0          | 0            | 3 |
| PL.621       | PL.27518    | A   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.23                     | 0.21         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.727                               | 0.063 | 0    | 0          | 0            | 1 |
| 116612       | PL.621      | A   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.23                     | 0.21         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.727                               | 0.000 | 3    | 0          | 1            | 1 |
| 116607       | PL.27518    | A   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.23                     | 0.79         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 2.663                               | 0.000 | 12   | 2          | 1            | 1 |
| 116638       | PL.27518    | A   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.23                     | 0.83         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 2.663                               | 0.000 | 12   | 2          | 1            | 1 |
| PL.27515     | PL.8854     | C   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.85         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 2.545                               | 0.010 | 0    | 0          | 0            | 2 |
| PD.807       | PL.27515    | C   | fuse6AMP           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.85         | 15       | 13         | 2       | 99         | 0.00      | 0.0               | 2.545                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.27516     | PD.807      | C   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.85         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 2.621                               | 0.077 | 0    | 0          | 0            | 2 |
| PL.639       | PL.27516    | C   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.13         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.671                               | 0.050 | 0    | 0          | 0            | 1 |



Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.9636      | PL.27763    | C   | 4ACSR              | 15.05Y    | 125.4        | 0.03            | 0.56                     | 12.43        | 6        | 185        | 28   | 99      | 0.04       | 0.0               | 2.138                               | 0.118 | 0    | 0          | 0            | 19        |
| PL.5487      | PL.9636     | C   | 4ACSR              | 15.05Y    | 125.4        | 0.01            | 0.57                     | 11.88        | 6        | 177        | 27   | 99      | 0.02       | 0.0               | 2.188                               | 0.049 | 0    | 0          | 0            | 18        |
| 1165053      | PL.5487     | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.188                               | 0.000 | 0    | 0          | 0            | 0         |
| 116502       | PL.5487     | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.34         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.188                               | 0.000 | 5    | 1          | 1            | 1         |
| 116510       | PL.5487     | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.28         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.188                               | 0.000 | 4    | 1          | 1            | 1         |
| PL.790       | PL.5487     | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.81         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 2.209                               | 0.022 | 0    | 0          | 0            | 1         |
| PL.786       | PL.790      | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.58                     | 0.81         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 2.327                               | 0.118 | 0    | 0          | 0            | 1         |
| PL.787       | PL.786      | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.58                     | 0.81         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 2.445                               | 0.118 | 0    | 0          | 0            | 1         |
| 116540       | PL.787      | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.58                     | 0.81         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 2.445                               | 0.000 | 12   | 2          | 1            | 1         |
| PL.5501      | PL.5487     | C   | 4ACSR              | 15.05Y    | 125.4        | 0.02            | 0.59                     | 10.44        | 5        | 155        | 23   | 99      | 0.02       | 0.0               | 2.274                               | 0.086 | 0    | 0          | 0            | 15        |
| 116550       | PL.5501     | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.59                     | 1.08         | 0        | 16         | 2    | 99      | 0.00       | 0.0               | 2.274                               | 0.000 | 16   | 2          | 1            | 1         |
| PL.5502      | PL.5501     | C   | 4ACSR              | 15.05Y    | 125.4        | 0.01            | 0.60                     | 9.36         | 5        | 139        | 21   | 99      | 0.01       | 0.0               | 2.325                               | 0.051 | 0    | 0          | 0            | 14        |
| PL.5492      | PL.5502     | C   | 4ACSR              | 15.05Y    | 125.4        | 0.01            | 0.62                     | 8.65         | 4        | 129        | 19   | 99      | 0.01       | 0.0               | 2.401                               | 0.076 | 0    | 0          | 0            | 13        |
| 116530       | PL.5492     | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.68         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 2.401                               | 0.000 | 10   | 2          | 1            | 1         |
| PL.9637      | PL.5492     | C   | 4ACSR              | 15.04Y    | 125.4        | 0.01            | 0.63                     | 7.22         | 4        | 107        | 16   | 99      | 0.01       | 0.0               | 2.474                               | 0.073 | 0    | 0          | 0            | 11        |
| 116545       | PL.9637     | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.98         | 0        | 15         | 2    | 99      | 0.00       | 0.0               | 2.474                               | 0.000 | 15   | 2          | 1            | 1         |
| PL.9638      | PL.9637     | C   | 4ACSR              | 15.04Y    | 125.4        | 0.01            | 0.63                     | 3.34         | 2        | 50         | 8    | 99      | 0.00       | 0.0               | 2.545                               | 0.072 | 0    | 0          | 0            | 5         |
| PL.799       | PL.9638     | C   | 4ACSR              | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.48         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.584                               | 0.039 | 0    | 0          | 0            | 1         |
| 116542       | PL.799      | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.48         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.584                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.798       | PL.9638     | C   | 4ACSR              | 15.04Y    | 125.4        | 0.00            | 0.64                     | 1.32         | 1        | 20         | 3    | 99      | 0.00       | 0.0               | 2.595                               | 0.049 | 0    | 0          | 0            | 2         |
| 116534       | PL.798      | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.64                     | 0.85         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 2.595                               | 0.000 | 13   | 2          | 1            | 1         |
| 116532       | PL.798      | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.64                     | 0.47         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.595                               | 0.000 | 7    | 1          | 1            | 1         |
| 116529       | PL.9638     | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.61         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 2.545                               | 0.000 | 9    | 1          | 1            | 1         |
| 116533       | PL.9638     | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.94         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 2.545                               | 0.000 | 14   | 2          | 1            | 1         |
| PL.791       | PL.9637     | C   | 4ACSR              | 15.04Y    | 125.4        | 0.00            | 0.63                     | 1.64         | 1        | 24         | 4    | 99      | 0.00       | 0.0               | 2.534                               | 0.060 | 0    | 0          | 0            | 3         |
| 116527       | PL.791      | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.81         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 2.534                               | 0.000 | 12   | 2          | 1            | 1         |
| 116528       | PL.791      | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.534                               | 0.000 | 6    | 1          | 1            | 1         |
| 116531       | PL.791      | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.534                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.792       | PL.9637     | C   | 4ACSR              | 15.04Y    | 125.4        | 0.00            | 0.63                     | 1.26         | 1        | 19         | 3    | 99      | 0.00       | 0.0               | 2.504                               | 0.030 | 0    | 0          | 0            | 2         |
| 116536       | PL.792      | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.58         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 2.504                               | 0.000 | 9    | 1          | 1            | 1         |
| 116535       | PL.792      | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.63                     | 0.68         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 2.504                               | 0.000 | 10   | 2          | 1            | 1         |
| PL.40698     | PL.5492     | C   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.75         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 2.418                               | 0.017 | 0    | 0          | 0            | 1         |
| 116501       | PL.40698    | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.62                     | 0.75         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 2.418                               | 0.000 | 11   | 2          | 1            | 1         |
| 116524       | PL.5502     | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.60                     | 0.71         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 2.325                               | 0.000 | 11   | 2          | 1            | 1         |
| 116519       | PL.9636     | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.56         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 2.138                               | 0.000 | 8    | 1          | 1            | 1         |
| 1165050      | PL.9636     | C   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.138                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.37186     | PL.27763    | C   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.53                     | 7.24         | 4        | 108        | 16   | 99      | 0.00       | 0.0               | 2.024                               | 0.004 | 0    | 0          | 0            | 7         |
| C PD.5740    | PL.37186    | C   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.53                     | 7.24         | 124      | 108        | 16   | 99      | 0.00       | 0.0               | 2.024                               | 0.000 | 0    | 0          | 0            | 7 C       |

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data rows for various elements like PL.37189, PL.37190, etc.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for Units Displayed In Volts and Base Voltage:120.0-

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf    | Type/<br>Conductor | Pri<br>kV        | Base<br>Volt   | Element<br>Drop | Units Displayed In Volts |               |              |          |            |            |             | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |           |        |        |            |
|--------------|-------------|--------|--------------------|------------------|----------------|-----------------|--------------------------|---------------|--------------|----------|------------|------------|-------------|-------------------|----------------|-------------------|-----------|--------|--------|------------|
|              |             |        |                    |                  |                |                 | -Base Voltage:120.0-     | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR       | %<br>PF     |                   |                | kW<br>Loss        | %<br>Loss | KW     | KVAR   | Cons<br>On |
| 117666       | PL.5445     | A      | Consumer           | 15.09Y           | 125.7          | 0.00            | 0.26                     | 0.95          | 0            | 14       | 2          | 99         | 0.00        | 0.0               | 1.291          | 0.000             | 14        | 2      | 1      | 1          |
| PL.18420     | PL.5445     | A      | 1/0EPRJCN          | 15.09Y           | 125.7          | 0.01            | 0.27                     | 9.15          | 5            | 137      | 16         | 99         | 0.01        | 0.0               | 1.375          | 0.084             | 0         | 0      | 0      | 13         |
| C PD.520     | PL.18420    | A      | fuse10AMP          | 15.09Y           | 125.7          | 0.00            | 0.27                     | 9.17          | 96           | 137      | 18         | 99         | 0.00        | 0.0               | 1.375          | 0.000             | 0         | 0      | 0      | 13 C       |
| PL.18421     | PD.520      | A      | 1/0EPRJCN          | 15.09Y           | 125.7          | 0.00            | 0.27                     | 9.17          | 5            | 137      | 18         | 99         | 0.00        | 0.0               | 1.384          | 0.009             | 0         | 0      | 0      | 13         |
| PL.18422     | PL.18421    | A      | 4ACSR              | 15.09Y           | 125.7          | 0.00            | 0.27                     | 9.17          | 5            | 137      | 18         | 99         | 0.00        | 0.0               | 1.394          | 0.010             | 0         | 0      | 0      | 13         |
| C PD.521     | PL.18422    | A      | fuse10AMP          | 15.09Y           | 125.7          | 0.00            | 0.27                     | 9.17          | 96           | 137      | 18         | 99         | 0.00        | 0.0               | 1.394          | 0.000             | 0         | 0      | 0      | 13 C       |
| PL.18423     | PD.521      | A      | 4ACSR              | 15.08Y           | 125.7          | 0.04            | 0.31                     | 9.17          | 5            | 137      | 18         | 99         | 0.04        | 0.0               | 1.574          | 0.180             | 0         | 0      | 0      | 13         |
| PL.9001      | PL.18423    | A      | 4ACSR              | 15.08Y           | 125.7          | 0.00            | 0.31                     | 2.64          | 1            | 40       | 3          | 100        | 0.00        | 0.0               | 1.654          | 0.080             | 0         | 0      | 0      | 3          |
| PL.318       | PL.9001     | A      | 4ACSR              | 15.08Y           | 125.7          | 0.00            | 0.31                     | 0.87          | 0            | 13       | 2          | 99         | 0.00        | 0.0               | 1.667          | 0.013             | 0         | 0      | 0      | 1          |
| 117625       | PL.318      | A      | Consumer           | 15.08Y           | 125.7          | 0.00            | 0.31                     | 0.87          | 0            | 13       | 2          | 99         | 0.00        | 0.0               | 1.667          | 0.000             | 13        | 2      | 1      | 1          |
| PL.27906     | PL.9001     | A      | 4ACSR              | 15.08Y           | 125.7          | 0.00            | 0.31                     | 1.77          | 1            | 27       | 1          | 100        | 0.00        | 0.0               | 1.666          | 0.012             | 0         | 0      | 0      | 2          |
| PD.871-A     | PL.27906    | A      | Closed             | 15.08Y           | 125.7          | 0.00            | 0.31                     | 1.77          | 0            | 27       | 1          | 100        | 0.00        | 0.0               | 1.666          | 0.000             | 0         | 0      | 0      | 2          |
| PD.871-B     | PD.871-A    | A      | Closed             | 15.08Y           | 125.7          | 0.00            | 0.31                     | 1.77          | 0            | 27       | 1          | 100        | 0.00        | 0.0               | 1.666          | 0.000             | 0         | 0      | 0      | 2          |
| PL.27907     | PD.871-B    | A      | 4ACSR              | 15.08Y           | 125.7          | 0.00            | 0.31                     | 1.77          | 1            | 27       | 1          | 100        | 0.00        | 0.0               | 1.697          | 0.031             | 0         | 0      | 0      | 2          |
| PL.5449      | PL.27907    | A      | 1/0EPRJCN          | 15.08Y           | 125.7          | 0.00            | 0.32                     | 1.77          | 1            | 27       | 1          | 100        | 0.00        | 0.0               | 1.803          | 0.106             | 0         | 0      | 0      | 2          |
| PL.5450      | PL.5449     | A      | 1/0EPRJCN          | 15.08Y           | 125.7          | 0.00            | 0.32                     | 1.35          | 1            | 20       | 2          | 100        | 0.00        | 0.0               | 1.855          | 0.052             | 0         | 0      | 0      | 1          |
| 117651       | PL.5450     | A      | Consumer           | 15.08Y           | 125.7          | 0.00            | 0.32                     | 1.35          | 0            | 20       | 3          | 99         | 0.00        | 0.0               | 1.855          | 0.000             | 20        | 3      | 1      | 1          |
| 117650       | PL.5449     | A      | Consumer           | 15.08Y           | 125.7          | 0.00            | 0.32                     | 0.44          | 0            | 7        | 1          | 99         | 0.00        | 0.0               | 1.803          | 0.000             | 7         | 1      | 1      | 1          |
| PL.5438      | PL.18423    | A      | 4ACSR              | 15.08Y           | 125.7          | 0.00            | 0.31                     | 5.33          | 3            | 79       | 12         | 99         | 0.00        | 0.0               | 1.597          | 0.024             | 0         | 0      | 0      | 8          |
| 117639       | PL.5438     | A      | Consumer           | 15.08Y           | 125.7          | 0.00            | 0.31                     | 0.59          | 0            | 9        | 1          | 99         | 0.00        | 0.0               | 1.597          | 0.000             | 9         | 1      | 1      | 1          |
| 117675       | PL.5438     | A      | Consumer           | 15.08Y           | 125.7          | 0.00            | 0.31                     | 0.03          | 0            | 0        | 0          | 100        | 0.00        | 0.0               | 1.597          | 0.000             | 0         | 0      | 1      | 1          |
| 117623       | PL.5438     | A      | Consumer           | 15.08Y           | 125.7          | 0.00            | 0.31                     | 0.77          | 0            | 11       | 2          | 98         | 0.00        | 0.0               | 1.597          | 0.000             | 11        | 2      | 1      | 1          |
| 117624       | PL.5438     | A      | Consumer           | 15.08Y           | 125.7          | 0.00            | 0.31                     | 1.10          | 0            | 16       | 2          | 99         | 0.00        | 0.0               | 1.597          | 0.000             | 16        | 2      | 1      | 1          |
| PL.5447      | PL.5438     | A      | 4ACSR              | 15.08Y           | 125.7          | 0.00            | 0.31                     | 2.85          | 1            | 42       | 6          | 99         | 0.00        | 0.0               | 1.622          | 0.025             | 0         | 0      | 0      | 4          |
| PL.5448      | PL.5447     | A      | 4ACSR              | 15.08Y           | 125.7          | 0.00            | 0.31                     | 2.13          | 1            | 32       | 5          | 99         | 0.00        | 0.0               | 1.644          | 0.022             | 0         | 0      | 0      | 3          |
| 117629       | PL.5448     | A      | Consumer           | 15.08Y           | 125.7          | 0.00            | 0.31                     | 0.59          | 0            | 9        | 1          | 99         | 0.00        | 0.0               | 1.644          | 0.000             | 9         | 1      | 1      | 1          |
| PL.5441      | PL.5448     | A      | 4ACSR              | 15.08Y           | 125.7          | 0.00            | 0.32                     | 1.54          | 1            | 23       | 3          | 99         | 0.00        | 0.0               | 1.720          | 0.076             | 0         | 0      | 0      | 2          |
| PL.5442      | PL.5441     | A      | 4ACSR              | 15.08Y           | 125.7          | 0.00            | 0.32                     | 0.76          | 0            | 11       | 2          | 98         | 0.00        | 0.0               | 1.770          | 0.050             | 0         | 0      | 0      | 1          |
| 117622       | PL.5442     | A      | Consumer           | 15.08Y           | 125.7          | 0.00            | 0.32                     | 0.76          | 0            | 11       | 2          | 98         | 0.00        | 0.0               | 1.770          | 0.000             | 11        | 2      | 1      | 1          |
| 117627       | PL.5441     | A      | Consumer           | 15.08Y           | 125.7          | 0.00            | 0.32                     | 0.78          | 0            | 12       | 2          | 99         | 0.00        | 0.0               | 1.720          | 0.000             | 12        | 2      | 1      | 1          |
| 117640       | PL.5447     | A      | Consumer           | 15.08Y           | 125.7          | 0.00            | 0.31                     | 0.71          | 0            | 11       | 2          | 98         | 0.00        | 0.0               | 1.622          | 0.000             | 11        | 2      | 1      | 1          |
| 117635       | PL.18423    | A      | Consumer           | 15.08Y           | 125.7          | 0.00            | 0.31                     | 0.75          | 0            | 11       | 2          | 98         | 0.00        | 0.0               | 1.574          | 0.000             | 11        | 2      | 1      | 1          |
| 1176078      | PL.18423    | A      | Consumer           | 15.08Y           | 125.7          | 0.00            | 0.31                     | 0.45          | 0            | 7        | 1          | 99         | 0.00        | 0.0               | 1.574          | 0.000             | 7         | 1      | 1      | 1          |
| 117648       | PL.19704    | A      | Consumer           | 15.09Y           | 125.8          | 0.00            | 0.25                     | 0.81          | 0            | 12       | 2          | 99         | 0.00        | 0.0               | 1.225          | 0.000             | 12        | 2      | 1      | 1          |
| 117645       | PL.19704    | A      | Consumer           | 15.09Y           | 125.8          | 0.00            | 0.25                     | 1.10          | 0            | 16       | 2          | 99         | 0.00        | 0.0               | 1.225          | 0.000             | 16        | 2      | 1      | 1          |
| 117632       | PL.5446     | A      | Consumer           | 15.10Y           | 125.8          | 0.00            | 0.20                     | 1.69          | 0            | 25       | 4          | 99         | 0.00        | 0.0               | 1.066          | 0.000             | 25        | 4      | 1      | 1          |
| 117634       | PL.5446     | A      | Consumer           | 15.10Y           | 125.8          | 0.00            | 0.20                     | 1.23          | 0            | 18       | 3          | 99         | 0.00        | 0.0               | 1.066          | 0.000             | 18        | 3      | 1      | 1          |
| PL.8985      | PL.27       | B<br>C | 1/0EPRJCN          | 15.07Y<br>15.09Y | 125.6<br>125.8 | 0.00<br>0.00    | 0.40<br>0.21             | 5.59<br>5.34  | 3<br>3       | 84<br>80 | 6<br>5     | 100<br>100 | 0.00<br>0.0 | 0.0               | 0.620          | 0.017             | 0<br>0    | 0<br>0 | 0<br>0 | 13<br>13   |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf    | Type/<br>Conductor | Pri<br>kV        | Base<br>Volt   | Element<br>Drop | Units Displayed In Volts |              |          |            |        |            |              | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |        | Cons<br>On | Cons<br>Thru |
|--------------|-------------|--------|--------------------|------------------|----------------|-----------------|--------------------------|--------------|----------|------------|--------|------------|--------------|-------------------|----------------|-------------------|--------|------------|--------------|
|              |             |        |                    |                  |                |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR   | %<br>PF    | kW<br>Loss   |                   |                | %<br>Loss         | KW     |            |              |
| 117656       | PL.8985     | B<br>C | Consumer           | 15.07Y<br>15.09Y | 125.6<br>125.8 | 0.00<br>0.00    | 0.40<br>0.21             | 0.20<br>0.20 | 0<br>0   | 3<br>3     | 0<br>0 | 100<br>99  | 0.00<br>0.00 | 0.620<br>0.000    | 0.000<br>0.000 | 3<br>3            | 0<br>0 | 1<br>1     | 1<br>1       |
| 117671       | PL.8985     | B<br>C | Consumer           | 15.07Y<br>15.09Y | 125.6<br>125.8 | 0.00<br>0.00    | 0.40<br>0.21             | 0.00<br>0.00 | 0<br>0   | 0<br>0     | 0<br>0 | 100<br>100 | 0.00<br>0.00 | 0.620<br>0.000    | 0.000<br>0.000 | 0<br>0            | 0<br>0 | 0<br>0     | 0<br>0       |
| 117668       | PL.8985     | B<br>C | Consumer           | 15.07Y<br>15.09Y | 125.6<br>125.8 | 0.00<br>0.00    | 0.40<br>0.21             | 0.02<br>0.02 | 0<br>0   | 0<br>0     | 0<br>0 | 100<br>99  | 0.00<br>0.00 | 0.620<br>0.000    | 0.000<br>0.000 | 0<br>0            | 0<br>0 | 1<br>1     | 1<br>1       |
| PL.8986      | PL.8985     | B<br>C | 1/0EPRJCN          | 15.07Y<br>15.09Y | 125.6<br>125.8 | 0.00<br>0.00    | 0.40<br>0.21             | 5.38<br>5.13 | 3<br>3   | 81<br>77   | 6<br>5 | 100<br>100 | 0.00<br>0.00 | 0.669<br>0.048    | 0.048<br>0.048 | 0<br>0            | 0<br>0 | 0<br>0     | 12<br>12     |
| PL.8987      | PL.8986     | B      | 1/0EPRJCN          | 15.07Y           | 125.6          | 0.00            | 0.40                     | 5.38         | 3        | 81         | 7      | 100        | 0.00         | 0.669             | 0.000          | 0                 | 0      | 0          | 12           |
| PL.30807     | PL.8987     | B      | 1/0EPRJCN          | 15.07Y           | 125.6          | 0.00            | 0.41                     | 5.38         | 3        | 81         | 7      | 100        | 0.00         | 0.703             | 0.034          | 0                 | 0      | 0          | 12           |
| 117673       | PL.30807    | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0      | 100        | 0.00         | 0.703             | 0.000          | 0                 | 0      | 0          | 0            |
| 117674       | PL.30807    | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0      | 100        | 0.00         | 0.703             | 0.000          | 0                 | 0      | 0          | 0            |
| PL.8997      | PL.30807    | B      | 1/0EPRJCN          | 15.07Y           | 125.6          | 0.00            | 0.41                     | 5.39         | 3        | 81         | 8      | 100        | 0.00         | 0.748             | 0.045          | 0                 | 0      | 0          | 12           |
| PL.8998      | PL.8997     | B      | 1/0EPRJCN          | 15.07Y           | 125.6          | 0.00            | 0.41                     | 5.39         | 3        | 81         | 8      | 100        | 0.00         | 0.805             | 0.058          | 0                 | 0      | 0          | 12           |
| 1176082      | PL.8998     | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0      | 100        | 0.00         | 0.805             | 0.000          | 0                 | 0      | 0          | 0            |
| 117665       | PL.8998     | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.41                     | 0.19         | 0        | 3          | 0      | 100        | 0.00         | 0.805             | 0.000          | 3                 | 0      | 1          | 1            |
| PL.8999      | PL.8998     | B      | 1/0EPRJCN          | 15.07Y           | 125.6          | 0.00            | 0.41                     | 5.21         | 3        | 78         | 9      | 99         | 0.00         | 0.867             | 0.061          | 0                 | 0      | 0          | 11           |
| PL.37665     | PL.8999     | B      | 2ACSR              | 15.07Y           | 125.6          | 0.01            | 0.42                     | 5.18         | 2        | 77         | 12     | 99         | 0.00         | 0.942             | 0.075          | 0                 | 0      | 0          | 10           |
| PL.37666     | PL.37665    | B      | 2ACSR              | 15.07Y           | 125.6          | 0.00            | 0.42                     | 5.14         | 2        | 77         | 12     | 99         | 0.00         | 0.945             | 0.003          | 0                 | 0      | 0          | 9            |
| 117609       | PL.37666    | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.42                     | 0.74         | 0        | 11         | 2      | 98         | 0.00         | 0.945             | 0.000          | 11                | 2      | 1          | 1            |
| PL.21865     | PL.37666    | B      | 2ACSR              | 15.07Y           | 125.6          | 0.00            | 0.42                     | 4.40         | 2        | 66         | 10     | 99         | 0.00         | 0.973             | 0.028          | 0                 | 0      | 0          | 8            |
| PL.21864     | PL.21865    | B      | 4ACSR              | 15.07Y           | 125.6          | 0.00            | 0.42                     | 0.87         | 0        | 13         | 2      | 99         | 0.00         | 1.025             | 0.052          | 0                 | 0      | 0          | 1            |
| 117616       | PL.21864    | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.42                     | 0.87         | 0        | 13         | 2      | 99         | 0.00         | 1.025             | 0.000          | 13                | 2      | 1          | 1            |
| PL.21653     | PL.21865    | B      | 4ACSR              | 15.07Y           | 125.6          | 0.00            | 0.42                     | 2.66         | 1        | 40         | 6      | 99         | 0.00         | 1.004             | 0.031          | 0                 | 0      | 0          | 4            |
| PL.22400     | PL.21653    | B      | 4ACSR              | 15.07Y           | 125.6          | 0.00            | 0.43                     | 2.66         | 1        | 40         | 6      | 99         | 0.00         | 1.077             | 0.073          | 0                 | 0      | 0          | 4            |
| PL.22401     | PL.22400    | B      | 4ACSR              | 15.07Y           | 125.6          | 0.00            | 0.43                     | 0.94         | 0        | 14         | 2      | 99         | 0.00         | 1.113             | 0.036          | 0                 | 0      | 0          | 2            |
| 117612       | PL.22401    | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.43                     | 0.82         | 0        | 12         | 2      | 99         | 0.00         | 1.113             | 0.000          | 12                | 2      | 1          | 1            |
| 117615       | PL.22401    | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.43                     | 0.11         | 0        | 2          | 0      | 100        | 0.00         | 1.113             | 0.000          | 2                 | 0      | 1          | 1            |
| 117641       | PL.22400    | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.43                     | 0.72         | 0        | 11         | 2      | 98         | 0.00         | 1.077             | 0.000          | 11                | 2      | 1          | 1            |
| 117618       | PL.22400    | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.43                     | 1.00         | 0        | 15         | 2      | 99         | 0.00         | 1.077             | 0.000          | 15                | 2      | 1          | 1            |
| PL.21866     | PL.21865    | B      | 2ACSR              | 15.07Y           | 125.6          | 0.00            | 0.42                     | 0.60         | 0        | 9          | 1      | 99         | 0.00         | 1.055             | 0.082          | 0                 | 0      | 0          | 2            |
| 1176080      | PL.21866    | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.42                     | 0.60         | 0        | 9          | 1      | 99         | 0.00         | 1.055             | 0.000          | 9                 | 1      | 1          | 1            |
| PL.21920     | PL.21866    | B      | 4ACSR              | 15.07Y           | 125.6          | 0.00            | 0.42                     | 0.00         | 0        | 0          | 0      | 100        | 0.00         | 1.158             | 0.104          | 0                 | 0      | 0          | 1            |
| 117619       | PL.21920    | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.42                     | 0.00         | 0        | 0          | 0      | 100        | 0.00         | 1.158             | 0.000          | 0                 | 0      | 1          | 1            |
| 117628       | PL.21865    | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.42                     | 0.27         | 0        | 4          | 1      | 97         | 0.00         | 0.973             | 0.000          | 4                 | 1      | 1          | 1            |
| 117614       | PL.37665    | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.42                     | 0.04         | 0        | 1          | 0      | 100        | 0.00         | 0.942             | 0.000          | 1                 | 0      | 1          | 1            |
| 117670       | PL.8999     | B      | Consumer           | 15.07Y           | 125.6          | 0.00            | 0.41                     | 0.05         | 0        | 1          | 0      | 100        | 0.00         | 0.867             | 0.000          | 1                 | 0      | 1          | 1            |
| PL.9000      | PL.8999     | B      | 1/0EPRJCN          | 15.07Y           | 125.6          | -0.00           | 0.41                     | -0.10        | 0        | 0          | -1     | 0          | 0.00         | 0.945             | 0.078          | 0                 | 0      | 0          | 0            |
| PL.8988      | PL.8986     | C      | 1/0EPRJCN          | 15.09Y           | 125.8          | 0.00            | 0.21                     | 5.13         | 3        | 77         | 5      | 100        | 0.00         | 0.713             | 0.044          | 0                 | 0      | 0          | 12           |
| 117655       | PL.8988     | C      | Consumer           | 15.09Y           | 125.8          | 0.00            | 0.21                     | 0.75         | 0        | 11         | 2      | 98         | 0.00         | 0.713             | 0.000          | 11                | 2      | 1          | 1            |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |    |
| 117676       | PL.8988     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.21                     | 1.42         | 0        | 21         | 3         | 99         | 0.00      | 0.0               | 0.713             | 0.000 | 21         | 3            | 1    | 1  |
| PL.8989      | PL.8988     | C   | 1/0EPRJCN          | 15.09Y    | 125.8        | 0.00            | 0.21                     | 2.97         | 2        | 45         | 1         | 100        | 0.00      | 0.0               | 0.758             | 0.045 | 0          | 0            | 0    | 10 |
| 117662       | PL.8989     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.21                     | 0.58         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 0.758             | 0.000 | 9          | 1            | 1    | 1  |
| PL.8990      | PL.8989     | C   | 1/0EPRJCN          | 15.09Y    | 125.8        | 0.00            | 0.22                     | 2.40         | 1        | 36         | 1         | 100        | 0.00      | 0.0               | 0.805             | 0.047 | 0          | 0            | 0    | 9  |
| 1176079      | PL.8990     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.805             | 0.000 | 0          | 0            | 1    | 1  |
| PL.8991      | PL.8990     | C   | 1/0EPRJCN          | 15.09Y    | 125.8        | 0.00            | 0.22                     | 2.40         | 1        | 36         | 2         | 100        | 0.00      | 0.0               | 0.825             | 0.020 | 0          | 0            | 0    | 8  |
| PL.8992      | PL.8991     | C   | 1/0EPRJCN          | 15.09Y    | 125.8        | 0.00            | 0.22                     | 1.73         | 1        | 26         | 1         | 100        | 0.00      | 0.0               | 0.878             | 0.052 | 0          | 0            | 0    | 6  |
| PL.8993      | PL.8992     | C   | 1/0EPRJCN          | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.78         | 0        | 12         | 0         | 100        | 0.00      | 0.0               | 0.928             | 0.051 | 0          | 0            | 0    | 3  |
| PL.8994      | PL.8993     | C   | 1/0EPRJCN          | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.12         | 0        | 1          | -1        | -71        | 0.00      | 0.0               | 0.980             | 0.052 | 0          | 0            | 0    | 1  |
| 117672       | PL.8994     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.11         | 0        | 1          | 1         | 71         | 0.00      | 0.0               | 0.980             | 0.000 | 1          | 1            | 1    | 1  |
| PL.8995      | PL.8994     | C   | 1/0EPRJCN          | 15.09Y    | 125.8        | -0.00           | 0.22                     | -0.05        | 0        | 0          | -1        | 0          | 0.00      | 0.0               | 1.020             | 0.040 | 0          | 0            | 0    | 0  |
| 117669       | PL.8993     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.928             | 0.000 | 0          | 0            | 0    | 0  |
| 117658       | PL.8993     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.08         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.928             | 0.000 | 1          | 0            | 1    | 1  |
| 117657       | PL.8993     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.61         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 0.928             | 0.000 | 9          | 1            | 1    | 1  |
| 117661       | PL.8992     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.37         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 0.878             | 0.000 | 6          | 1            | 1    | 1  |
| 1176077      | PL.8992     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.34         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 0.878             | 0.000 | 5          | 1            | 1    | 1  |
| 117663       | PL.8992     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.25         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 0.878             | 0.000 | 4          | 1            | 1    | 1  |
| 117664       | PL.8991     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.58         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 0.825             | 0.000 | 9          | 1            | 1    | 1  |
| 1176081      | PL.8991     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.825             | 0.000 | 0          | 0            | 0    | 0  |
| 117659       | PL.8991     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.10         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.825             | 0.000 | 1          | 0            | 1    | 1  |
| PL.25        | PL.27       | C   | 1/0EPRJCN          | 15.10Y    | 125.8        | 0.00            | 0.21                     | 7.71         | 4        | 116        | 12        | 99         | 0.00      | 0.0               | 0.610             | 0.006 | 0          | 0            | 0    | 12 |
| PL.5393      | PL.25       | C   | 1/0EPRJCN          | 15.09Y    | 125.8        | 0.01            | 0.21                     | 7.71         | 4        | 116        | 12        | 99         | 0.00      | 0.0               | 0.675             | 0.066 | 0          | 0            | 0    | 12 |
| 1166063      | PL.5393     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.21                     | 1.22         | 0        | 18         | 3         | 99         | 0.00      | 0.0               | 0.675             | 0.000 | 18         | 3            | 1    | 1  |
| 116666       | PL.5393     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.21                     | 1.30         | 0        | 19         | 3         | 99         | 0.00      | 0.0               | 0.675             | 0.000 | 19         | 3            | 1    | 1  |
| 116651       | PL.5393     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.21                     | 0.56         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 0.675             | 0.000 | 8          | 1            | 1    | 1  |
| 116650       | PL.5393     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.21                     | 0.33         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 0.675             | 0.000 | 5          | 1            | 1    | 1  |
| PL.8981      | PL.5393     | C   | 1/0EPRJCN          | 15.09Y    | 125.8        | 0.00            | 0.22                     | 4.32         | 2        | 65         | 6         | 100        | 0.00      | 0.0               | 0.723             | 0.047 | 0          | 0            | 0    | 8  |
| PL.8982      | PL.8981     | C   | 1/0EPRJCN          | 15.09Y    | 125.8        | 0.00            | 0.22                     | 2.63         | 1        | 40         | 3         | 100        | 0.00      | 0.0               | 0.770             | 0.047 | 0          | 0            | 0    | 5  |
| 1166064      | PL.8982     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.770             | 0.000 | 0          | 0            | 1    | 1  |
| 1166066      | PL.8982     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.770             | 0.000 | 0          | 0            | 0    | 0  |
| 116653       | PL.8982     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.25         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 0.770             | 0.000 | 4          | 1            | 1    | 1  |
| PL.8983      | PL.8982     | C   | 1/0EPRJCN          | 15.09Y    | 125.8        | 0.00            | 0.22                     | 2.38         | 1        | 36         | 3         | 100        | 0.00      | 0.0               | 0.817             | 0.047 | 0          | 0            | 0    | 3  |
| PL.8984      | PL.8983     | C   | 1/0EPRJCN          | 15.09Y    | 125.8        | -0.00           | 0.22                     | -0.09        | 0        | 0          | -1        | 0          | 0.00      | 0.0               | 0.881             | 0.064 | 0          | 0            | 0    | 0  |
| PL.26        | PL.8984     | C   | 1/0EPRJCN          | 15.09Y    | 125.8        | 0.00            | 0.22                     | -0.01        | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.886             | 0.005 | 0          | 0            | 0    | 0  |
| 116652       | PL.8983     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 1.16         | 0        | 17         | 3         | 98         | 0.00      | 0.0               | 0.817             | 0.000 | 17         | 3            | 1    | 1  |
| 1166067      | PL.8983     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.817             | 0.000 | 0          | 0            | 0    | 0  |
| 116654       | PL.8983     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.78         | 0        | 12         | 2         | 99         | 0.00      | 0.0               | 0.817             | 0.000 | 12         | 2            | 1    | 1  |
| 116656       | PL.8983     | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.22                     | 0.46         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 0.817             | 0.000 | 7          | 1            | 1    | 1  |



Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 3 (UNIONCITY3) beginning with device PD.3922.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.8690, PL.8691, PL.38951, etc.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |               |              |          |            |      |         | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |            |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|---------------|--------------|----------|------------|------|---------|-------------------|-------------------------------------|-------|------|------------|--------------|------------|
|              |             |     |                    |           |              |                 | -Base Voltage:120.0-     | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF |                   |                                     |       |      |            |              | kW<br>Loss |
| 653302       | PL.22752    | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14                     | 0.76          | 0            | 11       | 2          | 98   | 0.00    | 0.0               | 0.654                               | 0.000 | 11   | 2          | 1            | 1          |
| 653403       | PL.38952    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.38          | 0            | 6        | 1          | 99   | 0.00    | 0.0               | 0.579                               | 0.000 | 6    | 1          | 1            | 1          |
| 653407       | PL.38952    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.12                     | 0.96          | 0            | 14       | 2          | 99   | 0.00    | 0.0               | 0.579                               | 0.000 | 14   | 2          | 1            | 1          |
| 652401       | PL.8691     | B   | Consumer           | 15.12Y    | 126.0        | 0.00            | -0.01                    | 0.89          | 0            | 13       | 2          | 99   | 0.00    | 0.0               | 0.539                               | 0.000 | 13   | 2          | 1            | 1          |
| 653404       | PL.8691     | B   | Consumer           | 15.12Y    | 126.0        | 0.00            | -0.01                    | 0.53          | 0            | 8        | 1          | 99   | 0.00    | 0.0               | 0.539                               | 0.000 | 8    | 1          | 1            | 1          |
| PL.38953     | PL.8691     | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.06                     | 7.02          | 4            | 105      | 16         | 99   | 0.00    | 0.0               | 0.546                               | 0.007 | 0    | 0          | 0            | 9          |
| C PD.6785    | PL.38953    | A   | fuse8AMP           | 15.11Y    | 125.9        | 0.00            | 0.06                     | 7.02          | 96           | 105      | 16         | 99   | 0.00    | 0.0               | 0.546                               | 0.000 | 0    | 0          | 0            | 9 C        |
| PL.38954     | PD.6785     | A   | 4ACSR              | 15.11Y    | 125.9        | 0.01            | 0.06                     | 7.02          | 4            | 105      | 16         | 99   | 0.00    | 0.0               | 0.586                               | 0.040 | 0    | 0          | 0            | 9          |
| 653501       | PL.38954    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.06                     | 0.89          | 0            | 13       | 2          | 99   | 0.00    | 0.0               | 0.586                               | 0.000 | 13   | 2          | 1            | 1          |
| 653505       | PL.38954    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.06                     | 0.61          | 0            | 9        | 1          | 99   | 0.00    | 0.0               | 0.586                               | 0.000 | 9    | 1          | 1            | 1          |
| 653402       | PL.38954    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.06                     | 0.95          | 0            | 14       | 2          | 99   | 0.00    | 0.0               | 0.586                               | 0.000 | 14   | 2          | 1            | 1          |
| 653405       | PL.38954    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.06                     | 0.75          | 0            | 11       | 2          | 98   | 0.00    | 0.0               | 0.586                               | 0.000 | 11   | 2          | 1            | 1          |
| PL.23179     | PL.38954    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.07                     | 3.82          | 2            | 57       | 9          | 99   | 0.00    | 0.0               | 0.638                               | 0.053 | 0    | 0          | 0            | 5          |
| PL.21529     | PL.23179    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.07                     | 2.01          | 1            | 30       | 5          | 99   | 0.00    | 0.0               | 0.717                               | 0.078 | 0    | 0          | 0            | 2          |
| 654501       | PL.21529    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.07                     | 1.39          | 0            | 21       | 3          | 99   | 0.00    | 0.0               | 0.717                               | 0.000 | 21   | 3          | 1            | 1          |
| 6545003      | PL.21529    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.07                     | 0.62          | 0            | 9        | 1          | 99   | 0.00    | 0.0               | 0.717                               | 0.000 | 9    | 1          | 1            | 1          |
| 653504       | PL.23179    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.07                     | 0.75          | 0            | 11       | 2          | 98   | 0.00    | 0.0               | 0.638                               | 0.000 | 11   | 2          | 1            | 1          |
| 653406       | PL.23179    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.07                     | 0.49          | 0            | 7        | 1          | 99   | 0.00    | 0.0               | 0.638                               | 0.000 | 7    | 1          | 1            | 1          |
| 654502       | PL.23179    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.07                     | 0.57          | 0            | 9        | 1          | 99   | 0.00    | 0.0               | 0.638                               | 0.000 | 9    | 1          | 1            | 1          |
| 652504       | PL.8690     | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.06                     | 0.70          | 0            | 11       | 2          | 98   | 0.00    | 0.0               | 0.479                               | 0.000 | 11   | 2          | 1            | 1          |
| 652506       | PL.8690     | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.06                     | 0.59          | 0            | 9        | 1          | 99   | 0.00    | 0.0               | 0.479                               | 0.000 | 9    | 1          | 1            | 1          |
| PL.38949     | PL.8690     | A   | 2ACSR              | 15.11Y    | 125.9        | 0.00            | 0.06                     | 9.57          | 4            | 143      | 22         | 99   | 0.00    | 0.0               | 0.485                               | 0.006 | 0    | 0          | 0            | 13         |
| C PD.6783    | PL.38949    | A   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.06                     | 9.57          | 164          | 143      | 22         | 99   | 0.00    | 0.0               | 0.485                               | 0.000 | 0    | 0          | 0            | 13 C       |
| PL.38950     | PD.6783     | A   | 2ACSR              | 15.11Y    | 125.9        | 0.00            | 0.06                     | 9.57          | 4            | 143      | 22         | 99   | 0.00    | 0.0               | 0.511                               | 0.026 | 0    | 0          | 0            | 13         |
| PL.21913     | PL.38950    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.06                     | 6.66          | 3            | 100      | 15         | 99   | 0.00    | 0.0               | 0.520                               | 0.010 | 0    | 0          | 0            | 9          |
| 652505       | PL.21913    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.06                     | 0.41          | 0            | 6        | 1          | 99   | 0.00    | 0.0               | 0.520                               | 0.000 | 6    | 1          | 1            | 1          |
| 652503       | PL.21913    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.06                     | 0.87          | 0            | 13       | 2          | 99   | 0.00    | 0.0               | 0.520                               | 0.000 | 13   | 2          | 1            | 1          |
| PL.21914     | PL.21913    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.07                     | 5.38          | 3            | 80       | 12         | 99   | 0.00    | 0.0               | 0.554                               | 0.034 | 0    | 0          | 0            | 7          |
| 653503       | PL.21914    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.07                     | 1.25          | 0            | 19       | 3          | 99   | 0.00    | 0.0               | 0.554                               | 0.000 | 19   | 3          | 1            | 1          |
| 653502       | PL.21914    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.07                     | 1.09          | 0            | 16       | 2          | 99   | 0.00    | 0.0               | 0.554                               | 0.000 | 16   | 2          | 1            | 1          |
| PL.28425     | PL.21914    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.01            | 0.07                     | 3.04          | 2            | 45       | 7          | 99   | 0.00    | 0.0               | 0.648                               | 0.094 | 0    | 0          | 0            | 5          |
| PL.28423     | PL.28425    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 2.54          | 1            | 38       | 6          | 99   | 0.00    | 0.0               | 0.691                               | 0.043 | 0    | 0          | 0            | 4          |
| PL.22876     | PL.28423    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.09          | 1            | 16       | 2          | 99   | 0.00    | 0.0               | 0.707                               | 0.017 | 0    | 0          | 0            | 1          |
| PL.22877     | PL.22876    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.09          | 1            | 16       | 2          | 99   | 0.00    | 0.0               | 0.730                               | 0.023 | 0    | 0          | 0            | 1          |
| 654609       | PL.22877    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.09          | 0            | 16       | 2          | 99   | 0.00    | 0.0               | 0.730                               | 0.000 | 16   | 2          | 1            | 1          |
| 654603       | PL.22876    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 0.707                               | 0.000 | 0    | 0          | 0            | 0          |
| PL.21776     | PL.28423    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 1.45          | 1            | 22       | 3          | 99   | 0.00    | 0.0               | 0.712                               | 0.021 | 0    | 0          | 0            | 3          |
| PL.21775     | PL.21776    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08                     | 0.70          | 0            | 10       | 2          | 98   | 0.00    | 0.0               | 0.771                               | 0.059 | 0    | 0          | 0            | 1          |

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 653601, 654601, etc., and a section for Feeder No. 4.

----- Feeder No. 4 (UNIONCITY4) Beginning with Device PD.3919 -----

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for PD.3919.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.32917, PL.42750, etc.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PL.30923, PL.30924, 118646, 118636, PL.8417, PL.8419, 118652, 118605, PL.8420, PL.5455, 118666, PL.5456, 118648, PL.5454, PL.5432, PL.8422, PL.17810, PD.525, PL.17811, 118634, PL.8423, PL.17804, PD.3300, PL.17805, PL.8415, 118620, PL.5434.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.5435, PL.279, PL.726, etc.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.36505     | PL.36501    | A   | 2ACSR              | 15.09Y    | 125.7        | 0.00            | 0.29                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.567                               | 0.052 | 0    | 0          | 0            | 0  |
|              |             | B   |                    | 15.06Y    | 125.5        | 0.00            | 0.54                     | 2.27         | 1        | 34         | 5       | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 0            | 6  |
|              |             | C   |                    | 15.04Y    | 125.4        | -0.00           | 0.64                     | 0.00         | 0        | 0          | 0       | 100        | 0         | 0                 | 0                                   | 0     | 0    | 0          | 0            | 0  |
| 118502       | PL.36505    | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.54                     | 0.05         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 2.567                               | 0.000 | 1    | 0          | 1            | 1  |
| 118518       | PL.36505    | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.54                     | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.567                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.36507     | PL.36505    | B   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.54                     | 2.06         | 1        | 31         | 5       | 99         | 0.00      | 0.0               | 2.605                               | 0.038 | 0    | 0          | 0            | 4  |
| PL.5506      | PL.36507    | B   | 4ACSR              | 15.05Y    | 125.5        | 0.00            | 0.54                     | 2.06         | 1        | 31         | 5       | 99         | 0.00      | 0.0               | 2.660                               | 0.055 | 0    | 0          | 0            | 4  |
| 118519       | PL.5506     | B   | Consumer           | 15.05Y    | 125.5        | 0.00            | 0.54                     | 0.49         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.660                               | 0.000 | 7    | 1          | 1            | 1  |
| 118521       | PL.5506     | B   | Consumer           | 15.05Y    | 125.5        | 0.00            | 0.54                     | 0.78         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 2.660                               | 0.000 | 12   | 2          | 1            | 1  |
| PL.5507      | PL.5506     | B   | 4ACSR              | 15.05Y    | 125.5        | 0.00            | 0.54                     | 0.78         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 2.713                               | 0.053 | 0    | 0          | 0            | 2  |
| PL.5508      | PL.5507     | B   | 4ACSR              | 15.05Y    | 125.5        | 0.00            | 0.55                     | 0.78         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 2.793                               | 0.080 | 0    | 0          | 0            | 2  |
| 118512       | PL.5508     | B   | Consumer           | 15.05Y    | 125.5        | 0.00            | 0.55                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.793                               | 0.000 | 0    | 0          | 1            | 1  |
| 118507       | PL.5508     | B   | Consumer           | 15.05Y    | 125.5        | 0.00            | 0.55                     | 0.78         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 2.793                               | 0.000 | 12   | 2          | 1            | 1  |
| PL.40819     | PL.36501    | A   | 336ACSR            | 15.09Y    | 125.7        | 0.00            | 0.29                     | 56.93        | 8        | 854        | 93      | 99         | 0.01      | 0.0               | 2.520                               | 0.005 | 0    | 0          | 0            | 68 |
|              |             | B   |                    | 15.06Y    | 125.5        | 0.00            | 0.54                     | 54.97        | 8        | 821        | 102     | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 66           |    |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 67.76        | 9        | 1012       | 121     | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 81           |    |
| PD.7567-A    | PL.40819    | A   | Closed             | 15.09Y    | 125.7        | 0.00            | 0.29                     | 56.93        | 0        | 854        | 93      | 99         | 0.00      | 0.0               | 2.520                               | 0.000 | 0    | 0          | 0            | 68 |
|              |             | B   |                    | 15.06Y    | 125.5        | 0.00            | 0.54                     | 54.97        | 0        | 821        | 102     | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 66           |    |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 67.76        | 0        | 1012       | 121     | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 81           |    |
| PD.7567-B    | PD.7567-A   | A   | Closed             | 15.09Y    | 125.7        | 0.00            | 0.29                     | 56.93        | 0        | 854        | 93      | 99         | 0.00      | 0.0               | 2.520                               | 0.000 | 0    | 0          | 0            | 68 |
|              |             | B   |                    | 15.06Y    | 125.5        | 0.00            | 0.54                     | 54.97        | 0        | 821        | 102     | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 66           |    |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 67.76        | 0        | 1012       | 121     | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 81           |    |
| PL.40820     | PD.7567-B   | A   | 336ACSR            | 15.09Y    | 125.7        | 0.00            | 0.29                     | 56.93        | 8        | 854        | 93      | 99         | 0.05      | 0.0               | 2.537                               | 0.017 | 0    | 0          | 0            | 68 |
|              |             | B   |                    | 15.06Y    | 125.5        | 0.00            | 0.54                     | 54.97        | 8        | 821        | 102     | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 66           |    |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 67.76        | 9        | 1012       | 121     | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 81           |    |
| PL.39495     | PL.40820    | A   | 1/0ACSR            | 15.09Y    | 125.7        | 0.00            | 0.29                     | 29.85        | 9        | 447        | 53      | 99         | 0.00      | 0.0               | 2.540                               | 0.003 | 0    | 0          | 0            | 40 |
|              |             | B   |                    | 15.06Y    | 125.5        | 0.00            | 0.54                     | 29.93        | 9        | 447        | 60      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 42           |    |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 14.09        | 4        | 211        | 22      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 17           |    |
| PL.39497     | PL.39495    | A   | 1/0ACSR            | 15.09Y    | 125.7        | 0.00            | 0.29                     | 29.85        | 9        | 447        | 53      | 99         | 0.00      | 0.0               | 2.542                               | 0.002 | 0    | 0          | 0            | 40 |
|              |             | B   |                    | 15.05Y    | 125.5        | 0.00            | 0.54                     | 29.93        | 9        | 447        | 60      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 42           |    |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 14.09        | 4        | 211        | 22      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 17           |    |
| PD.7568-A    | PL.39497    | A   | Closed             | 15.09Y    | 125.7        | 0.00            | 0.29                     | 29.85        | 0        | 447        | 53      | 99         | 0.00      | 0.0               | 2.542                               | 0.000 | 0    | 0          | 0            | 40 |
|              |             | B   |                    | 15.05Y    | 125.5        | 0.00            | 0.54                     | 29.93        | 0        | 446        | 60      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 42           |    |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 14.09        | 0        | 211        | 22      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 17           |    |
| PD.7568-B    | PD.7568-A   | A   | Closed             | 15.09Y    | 125.7        | 0.00            | 0.29                     | 29.85        | 0        | 447        | 53      | 99         | 0.00      | 0.0               | 2.542                               | 0.000 | 0    | 0          | 0            | 40 |
|              |             | B   |                    | 15.05Y    | 125.5        | 0.00            | 0.54                     | 29.93        | 0        | 446        | 60      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 42           |    |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 14.09        | 0        | 211        | 22      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 17           |    |
| PL.39498     | PD.7568-B   | A   | 1/0ACSR            | 15.08Y    | 125.7        | 0.00            | 0.29                     | 29.85        | 9        | 447        | 53      | 99         | 0.01      | 0.0               | 2.545                               | 0.003 | 0    | 0          | 0            | 40 |
|              |             | B   |                    | 15.05Y    | 125.5        | 0.00            | 0.54                     | 29.93        | 9        | 446        | 60      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 42           |    |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 14.09        | 4        | 211        | 22      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 17           |    |
| PL.39493     | PL.39498    | A   | 1/0ACSR            | 15.08Y    | 125.7        | 0.00            | 0.29                     | 29.85        | 9        | 447        | 53      | 99         | 0.01      | 0.0               | 2.551                               | 0.005 | 0    | 0          | 0            | 40 |
|              |             | B   |                    | 15.05Y    | 125.5        | 0.00            | 0.54                     | 29.93        | 9        | 446        | 60      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 42           |    |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 14.09        | 4        | 211        | 22      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 17           |    |
| PL.39494     | PL.39493    | A   | 1/0ACSR            | 15.08Y    | 125.7        | 0.00            | 0.29                     | 29.85        | 9        | 447        | 53      | 99         | 0.00      | 0.0               | 2.553                               | 0.002 | 0    | 0          | 0            | 40 |
|              |             | B   |                    | 15.05Y    | 125.5        | 0.00            | 0.54                     | 29.93        | 9        | 446        | 60      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 42           |    |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 14.09        | 4        | 211        | 22      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 17           |    |
| PL.39487     | PL.39494    | A   | 2ACSR              | 15.08Y    | 125.7        | 0.00            | 0.29                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.571                               | 0.018 | 0    | 0          | 0            | 0  |
| 118516       | PL.39487    | A   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.29                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.571                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.39489     | PL.39494    | A   | 336ACSR            | 15.08Y    | 125.7        | -0.00           | 0.29                     | 0.44         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.594                               | 0.041 | 0    | 0          | 0            | 1  |
|              |             | B   |                    | 15.05Y    | 125.5        | 0.00            | 0.55                     | 7.79         | 1        | 116        | 17      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 15           |    |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 8.38         | 1        | 125        | 19      | 99         | 0         | 0                 | 0                                   | 0     | 0    | 0          | 11           |    |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low



Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |                |       | mi<br>From<br>Src | -----Element----- |    | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|----------------|-------|-------------------|-------------------|----|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | Length<br>(mi) | KW    |                   | KVAR              |    |            |              |
| PD.7565-A    | PL.39489    | A   | Closed             | 15.08Y    | 125.7        | 0.00            | 0.29                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 2.594          | 0.000 | 0                 | 0                 | 0  | 1          |              |
|              |             | B   |                    | 15.05Y    | 125.5        | 0.00            | 0.55                     | 7.79         | 0        | 116        | 17   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 0  | 15         |              |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 8.38         | 0        | 125        | 19   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 0  | 11         |              |
| PD.7565-B    | PD.7565-A   | A   | Closed             | 15.08Y    | 125.7        | 0.00            | 0.29                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 2.594          | 0.000 | 0                 | 0                 | 0  | 1          |              |
|              |             | B   |                    | 15.05Y    | 125.5        | 0.00            | 0.55                     | 7.79         | 0        | 116        | 17   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 15 |            |              |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 8.38         | 0        | 125        | 19   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 11 |            |              |
| PL.8963      | PD.7565-B   | A   | 336ACSR            | 15.08Y    | 125.7        | -0.00           | 0.29                     | 0.44         | 0        | 7          | 1    | 99      | 0.01       | 0.0       | 2.714          | 0.120 | 0                 | 0                 | 0  | 1          |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.01            | 0.55                     | 7.79         | 1        | 116        | 17   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 15 |            |              |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.64                     | 8.38         | 1        | 125        | 19   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 11 |            |              |
| PL.8964      | PL.8963     | A   | 336ACSR            | 15.09Y    | 125.7        | -0.00           | 0.29                     | 0.44         | 0        | 7          | 1    | 99      | 0.01       | 0.0       | 2.847          | 0.133 | 0                 | 0                 | 0  | 1          |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.01            | 0.56                     | 7.15         | 1        | 106        | 16   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 13 |            |              |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.65                     | 8.38         | 1        | 125        | 19   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 11 |            |              |
| PL.8967      | PL.8964     | A   | 336ACSR            | 15.09Y    | 125.7        | -0.00           | 0.29                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 2.898          | 0.051 | 0                 | 0                 | 0  | 1          |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.56                     | 6.19         | 1        | 92         | 14   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 10 |            |              |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.65                     | 8.38         | 1        | 125        | 19   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 11 |            |              |
| PL.8968      | PL.8967     | A   | 336ACSR            | 15.09Y    | 125.7        | -0.00           | 0.29                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 3.004          | 0.106 | 0                 | 0                 | 0  | 1          |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.56                     | 5.24         | 1        | 78         | 12   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 9  |            |              |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.65                     | 8.38         | 1        | 125        | 19   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 11 |            |              |
| PL.23698     | PL.8968     | B   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.60         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 3.031          | 0.028 | 0                 | 0                 | 0  | 1          |              |
| 118554       | PL.23698    | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.60         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 3.031          | 0.000 | 9                 | 1                 | 1  | 1          |              |
| PL.8969      | PL.8968     | A   | 336ACSR            | 15.09Y    | 125.7        | -0.00           | 0.29                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 3.015          | 0.011 | 0                 | 0                 | 0  | 1          |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.57                     | 4.65         | 1        | 69         | 10   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 8  |            |              |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.65                     | 8.38         | 1        | 125        | 19   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 11 |            |              |
| 118504       | PL.8969     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.015          | 0.000 | 0                 | 0                 | 0  | 0          |              |
| PL.5509      | PL.8969     | A   | 336ACSR            | 15.09Y    | 125.7        | -0.00           | 0.29                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 3.049          | 0.034 | 0                 | 0                 | 0  | 1          |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.57                     | 4.65         | 1        | 69         | 10   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 8  |            |              |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.00            | 0.65                     | 8.38         | 1        | 125        | 19   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 11 |            |              |
| PL.23701     | PL.5509     | A   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.29                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 3.119          | 0.070 | 0                 | 0                 | 0  | 1          |              |
| 118517       | PL.23701    | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.29                     | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 3.119          | 0.000 | 7                 | 1                 | 1  | 1          |              |
| PL.8970      | PL.5509     | A   | 336ACSR            | 15.09Y    | 125.7        | -0.00           | 0.29                     | -0.01        | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.066          | 0.017 | 0                 | 0                 | 0  | 0          |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.57                     | 4.65         | 1        | 69         | 10   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 8  |            |              |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.00            | 0.65                     | 8.38         | 1        | 125        | 19   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 11 |            |              |
| 118557       | PL.8970     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.60         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 3.066          | 0.000 | 9                 | 1                 | 1  | 1          |              |
| PL.8971      | PL.8970     | A   | 336ACSR            | 15.09Y    | 125.7        | -0.00           | 0.29                     | -0.01        | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.098          | 0.032 | 0                 | 0                 | 0  | 0          |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.57                     | 4.05         | 1        | 60         | 9    | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 7  |            |              |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.00            | 0.65                     | 8.38         | 1        | 125        | 19   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 11 |            |              |
| PL.8974      | PL.8971     | A   | 336ACSR            | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.01        | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.157          | 0.059 | 0                 | 0                 | 0  | 0          |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.57                     | 3.30         | 0        | 49         | 7    | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 6  |            |              |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.00            | 0.65                     | 8.38         | 1        | 125        | 19   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 11 |            |              |
| PL.8975      | PL.8974     | A   | 336ACSR            | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.01        | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.214          | 0.057 | 0                 | 0                 | 0  | 0          |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.57                     | 3.30         | 0        | 49         | 7    | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 6  |            |              |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.00            | 0.65                     | 6.87         | 1        | 102        | 15   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 9  |            |              |
| 118513       | PL.8975     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.84         | 0        | 13         | 2    | 99      | 0.00       | 0.0       | 3.214          | 0.000 | 13                | 2                 | 1  | 1          |              |
| PL.8973      | PL.8975     | A   | 336ACSR            | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.01        | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.252          | 0.039 | 0                 | 0                 | 0  | 0          |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.57                     | 2.46         | 0        | 37         | 5    | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 5  |            |              |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.00            | 0.65                     | 6.87         | 1        | 102        | 15   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 9  |            |              |
| PL.803       | PL.8973     | B   | 4ACSR              | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.298          | 0.046 | 0                 | 0                 | 0  | 1          |              |
| 118506       | PL.803      | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.298          | 0.000 | 0                 | 0                 | 1  | 1          |              |
| PL.32804     | PL.8973     | A   | 336ACSR            | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.01        | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 3.289          | 0.036 | 0                 | 0                 | 0  | 0          |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.57                     | 2.46         | 0        | 37         | 5    | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 4  |            |              |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.00            | 0.66                     | 6.87         | 1        | 102        | 15   | 99      | 0          | 0         | 0              | 0     | 0                 | 0                 | 9  |            |              |
| 1185199      | PL.32804    | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.74         | 0        | 11         | 2    | 98      | 0.00       | 0.0       | 3.289          | 0.000 | 11                | 2                 | 1  | 1          |              |

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.33115, 1175037, 1185219, etc.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.802, PL.8967, PL.8964, etc.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Units Displayed In Volts |             |     |                    |           |              |                 |               |              |          |            |      |         |            |           |                   |                |         |      |            |              |
|--------------------------|-------------|-----|--------------------|-----------|--------------|-----------------|---------------|--------------|----------|------------|------|---------|------------|-----------|-------------------|----------------|---------|------|------------|--------------|
| -Base Voltage:120.0-     |             |     |                    |           |              |                 |               |              |          |            |      |         |            |           |                   |                |         |      |            |              |
| Element Name             | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | Length<br>(mi) | Element |      | Cons<br>On | Cons<br>Thru |
|                          |             |     |                    |           |              |                 |               |              |          |            |      |         |            |           |                   |                | KW      | KVAR |            |              |
| PL.8700                  | PL.8699     | A   | 1/0EPRJCN          | 15.08Y    | 125.6        | 0.01            | 0.36          | 29.44        | 15       | 440        | 56   | 99      | 0.03       | 0.0       | 2.831             | 0.027          | 0       | 0    | 0          | 39           |
|                          |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.57          | 3.28         | 2        | 49         | 3    | 100     |            |           |                   |                | 0       | 0    | 0          | 4            |
|                          |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.65          | 4.88         | 3        | 73         | 5    | 100     |            |           |                   |                | 0       | 0    | 0          | 5            |
| 1185115                  | PL.8700     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57          | 0.89         | 0        | 13         | 2    | 99      | 0.00       | 0.0       | 2.831             | 0.000          | 13      | 2    | 1          | 1            |
| 118530                   | PL.8700     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57          | 1.21         | 0        | 18         | 3    | 99      | 0.00       | 0.0       | 2.831             | 0.000          | 18      | 3    | 1          | 1            |
| 118591                   | PL.8700     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57          | 0.70         | 0        | 10         | 2    | 98      | 0.00       | 0.0       | 2.831             | 0.000          | 10      | 2    | 1          | 1            |
| 118531                   | PL.8700     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57          | 0.52         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 2.831             | 0.000          | 8       | 1    | 1          | 1            |
| PL.8701<br>P             | PL.8700     | A   | 1/0EPRJCN          | 15.08Y    | 125.6        | 0.01            | 0.37          | 29.44        | 15       | 440        | 56   | 99      | 0.04       | 0.0       | 2.870             | 0.039          | 0       | 0    | 0          | 39           |
|                          |             | B   |                    | 15.05Y    | 125.4        | -0.00           | 0.57          | -0.25        | 0        | 0          | -4   | 0       |            |           |                   |                | 0       | 0    | 0          | 0            |
|                          |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.65          | 4.88         | 3        | 73         | 5    | 100     |            |           |                   |                | 0       | 0    | 0          | 5            |
| PL.8771<br>P             | PL.8701     | A   | 1/0EPRJCN          | 15.07Y    | 125.6        | 0.01            | 0.38          | 29.47        | 16       | 440        | 59   | 99      | 0.04       | 0.0       | 2.909             | 0.040          | 0       | 0    | 0          | 39           |
|                          |             | B   |                    | 15.05Y    | 125.4        | -0.00           | 0.57          | -0.20        | 0        | 0          | -3   | 0       |            |           |                   |                | 0       | 0    | 0          | 0            |
|                          |             | C   |                    | 15.04Y    | 125.4        | -0.00           | 0.64          | -0.20        | 0        | 0          | -3   | 0       |            |           |                   |                | 0       | 0    | 0          | 0            |
| 118547                   | PL.8771     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.38          | 0.80         | 0        | 12         | 2    | 99      | 0.00       | 0.0       | 2.909             | 0.000          | 12      | 2    | 1          | 1            |
| 1185132                  | PL.8771     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.38          | 0.66         | 0        | 10         | 1    | 100     | 0.00       | 0.0       | 2.909             | 0.000          | 10      | 1    | 1          | 1            |
| 118582                   | PL.8771     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.38          | 0.50         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 2.909             | 0.000          | 7       | 1    | 1          | 1            |
| 118562                   | PL.8771     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.38          | 0.62         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 2.909             | 0.000          | 9       | 1    | 1          | 1            |
| PL.8772<br>P             | PL.8771     | A   | 1/0EPRJCN          | 15.07Y    | 125.6        | 0.01            | 0.39          | 26.90        | 14       | 402        | 54   | 99      | 0.02       | 0.0       | 2.936             | 0.027          | 0       | 0    | 0          | 35           |
|                          |             | B   |                    | 15.05Y    | 125.4        | -0.00           | 0.57          | -0.15        | 0        | 0          | -2   | 0       |            |           |                   |                | 0       | 0    | 0          | 0            |
|                          |             | C   |                    | 15.04Y    | 125.4        | -0.00           | 0.64          | -0.15        | 0        | 0          | -2   | 0       |            |           |                   |                | 0       | 0    | 0          | 0            |
| 1185112                  | PL.8772     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39          | 0.83         | 0        | 12         | 2    | 99      | 0.00       | 0.0       | 2.936             | 0.000          | 12      | 2    | 1          | 1            |
| 118569                   | PL.8772     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39          | 0.58         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 2.936             | 0.000          | 9       | 1    | 1          | 1            |
| 118548                   | PL.8772     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39          | 0.96         | 0        | 14         | 2    | 99      | 0.00       | 0.0       | 2.936             | 0.000          | 14      | 2    | 1          | 1            |
| 1185109                  | PL.8772     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39          | 0.57         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 2.936             | 0.000          | 9       | 1    | 1          | 1            |
| PL.8773<br>P             | PL.8772     | A   | 1/0EPRJCN          | 15.07Y    | 125.6        | 0.01            | 0.39          | 23.96        | 13       | 358        | 48   | 99      | 0.02       | 0.0       | 2.962             | 0.026          | 0       | 0    | 0          | 31           |
|                          |             | B   |                    | 15.05Y    | 125.4        | -0.00           | 0.57          | -0.11        | 0        | 0          | -2   | 0       |            |           |                   |                | 0       | 0    | 0          | 0            |
|                          |             | C   |                    | 15.04Y    | 125.4        | -0.00           | 0.64          | -0.11        | 0        | 0          | -2   | 0       |            |           |                   |                | 0       | 0    | 0          | 0            |
| PL.8774<br>P             | PL.8773     | A   | 1/0EPRJCN          | 15.07Y    | 125.6        | 0.01            | 0.40          | 22.13        | 12       | 331        | 44   | 99      | 0.01       | 0.0       | 2.988             | 0.026          | 0       | 0    | 0          | 27           |
|                          |             | B   |                    | 15.05Y    | 125.4        | -0.00           | 0.57          | -0.08        | 0        | 0          | -1   | 0       |            |           |                   |                | 0       | 0    | 0          | 0            |
|                          |             | C   |                    | 15.04Y    | 125.4        | -0.00           | 0.64          | -0.08        | 0        | 0          | -1   | 0       |            |           |                   |                | 0       | 0    | 0          | 0            |
| PL.8775<br>P             | PL.8774     | A   | 1/0EPRJCN          | 15.07Y    | 125.6        | 0.00            | 0.40          | 19.61        | 10       | 293        | 39   | 99      | 0.01       | 0.0       | 3.013             | 0.025          | 0       | 0    | 0          | 24           |
|                          |             | B   |                    | 15.05Y    | 125.4        | -0.00           | 0.57          | -0.05        | 0        | 0          | -1   | 0       |            |           |                   |                | 0       | 0    | 0          | 0            |
|                          |             | C   |                    | 15.04Y    | 125.4        | -0.00           | 0.64          | -0.05        | 0        | 0          | -1   | 0       |            |           |                   |                | 0       | 0    | 0          | 0            |
| 118565                   | PL.8775     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.40          | 1.22         | 0        | 18         | 3    | 99      | 0.00       | 0.0       | 3.013             | 0.000          | 18      | 3    | 1          | 1            |
| 1185139                  | PL.8775     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.40          | 0.44         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 3.013             | 0.000          | 7       | 1    | 1          | 1            |
| 118564                   | PL.8775     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.40          | 0.76         | 0        | 11         | 2    | 98      | 0.00       | 0.0       | 3.013             | 0.000          | 11      | 2    | 1          | 1            |
| PL.8776<br>P             | PL.8775     | A   | 1/0EPRJCN          | 15.07Y    | 125.6        | 0.00            | 0.41          | 17.20        | 9        | 257        | 34   | 99      | 0.00       | 0.0       | 3.027             | 0.013          | 0       | 0    | 0          | 21           |
|                          |             | B   |                    | 15.05Y    | 125.4        | -0.00           | 0.57          | -0.02        | 0        | 0          | 0    | 0       |            |           |                   |                | 0       | 0    | 0          | 0            |
|                          |             | C   |                    | 15.04Y    | 125.4        | -0.00           | 0.64          | -0.02        | 0        | 0          | 0    | 0       |            |           |                   |                | 0       | 0    | 0          | 0            |
| PL.8917                  | PL.8776     | A   | 1/0EPRJCN          | 15.07Y    | 125.6        | 0.01            | 0.41          | 14.51        | 8        | 217        | 29   | 99      | 0.01       | 0.0       | 3.082             | 0.055          | 0       | 0    | 0          | 18           |
| PL.8918                  | PL.8917     | A   | 1/0EPRJCN          | 15.07Y    | 125.6        | 0.00            | 0.42          | 11.15        | 6        | 166        | 22   | 99      | 0.00       | 0.0       | 3.114             | 0.032          | 0       | 0    | 0          | 14           |
| PL.8919                  | PL.8918     | A   | 1/0EPRJCN          | 15.07Y    | 125.6        | 0.00            | 0.42          | 8.00         | 4        | 120        | 16   | 99      | 0.00       | 0.0       | 3.140             | 0.026          | 0       | 0    | 0          | 10           |
| 1185120                  | PL.8919     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42          | 0.67         | 0        | 10         | 2    | 98      | 0.00       | 0.0       | 3.140             | 0.000          | 10      | 2    | 1          | 1            |
| 118599                   | PL.8919     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42          | 0.70         | 0        | 10         | 2    | 98      | 0.00       | 0.0       | 3.140             | 0.000          | 10      | 2    | 1          | 1            |
| 1185102                  | PL.8919     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42          | 0.92         | 0        | 14         | 2    | 99      | 0.00       | 0.0       | 3.140             | 0.000          | 14      | 2    | 1          | 1            |
| 1185104                  | PL.8919     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42          | 1.11         | 0        | 17         | 2    | 99      | 0.00       | 0.0       | 3.140             | 0.000          | 17      | 2    | 1          | 1            |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.8920      | PL.8919     | A   | 1/0EPRJCN          | 15.07Y    | 125.6        | 0.00            | 0.42                     | 4.62         | 2        | 69         | 9       | 99         | 0.00      | 0.0               | 3.165                               | 0.025 | 0    | 0          | 0            | 6 |
| 118556       | PL.8920     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42                     | 0.71         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 3.165                               | 0.000 | 11   | 2          | 1            | 1 |
| 1185122      | PL.8920     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42                     | 0.51         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.165                               | 0.000 | 8    | 1          | 1            | 1 |
| 118592       | PL.8920     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42                     | 0.55         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.165                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.8921      | PL.8920     | A   | 1/0EPRJCN          | 15.07Y    | 125.6        | 0.00            | 0.42                     | 2.85         | 1        | 43         | 5       | 99         | 0.00      | 0.0               | 3.190                               | 0.024 | 0    | 0          | 0            | 3 |
| PL.8922      | PL.8921     | A   | 1/0EPRJCN          | 15.07Y    | 125.6        | 0.00            | 0.42                     | 2.85         | 2        | 43         | 6       | 99         | 0.00      | 0.0               | 3.213                               | 0.023 | 0    | 0          | 0            | 3 |
| PL.8923      | PL.8922     | A   | 1/0EPRJCN          | 15.07Y    | 125.6        | -0.00           | 0.42                     | -0.02        | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.228                               | 0.015 | 0    | 0          | 0            | 0 |
| 1185111      | PL.8922     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42                     | 0.71         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 3.213                               | 0.000 | 11   | 2          | 1            | 1 |
| 118561       | PL.8922     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42                     | 1.36         | 0        | 20         | 3       | 99         | 0.00      | 0.0               | 3.213                               | 0.000 | 20   | 3          | 1            | 1 |
| 118549       | PL.8922     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42                     | 0.78         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 3.213                               | 0.000 | 12   | 2          | 1            | 1 |
| 1185130      | PL.8918     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.114                               | 0.000 | 8    | 1          | 1            | 1 |
| 1185103      | PL.8918     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42                     | 1.14         | 0        | 17         | 3       | 98         | 0.00      | 0.0               | 3.114                               | 0.000 | 17   | 3          | 1            | 1 |
| 1185134      | PL.8918     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42                     | 0.77         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 3.114                               | 0.000 | 11   | 2          | 1            | 1 |
| 118588       | PL.8918     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42                     | 0.70         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 3.114                               | 0.000 | 10   | 2          | 1            | 1 |
| 1185125      | PL.8917     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.86         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 3.082                               | 0.000 | 13   | 2          | 1            | 1 |
| 1185133      | PL.8917     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.67         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 3.082                               | 0.000 | 10   | 2          | 1            | 1 |
| 118576       | PL.8917     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.83         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 3.082                               | 0.000 | 12   | 2          | 1            | 1 |
| 1185131      | PL.8917     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 1.00         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 3.082                               | 0.000 | 15   | 2          | 1            | 1 |
| PL.804       | PL.8776     | A   | 1/0EPRJCN          | 15.07Y    | 125.6        | 0.00            | 0.41                     | 2.69         | 1        | 40         | 6       | 99         | 0.00      | 0.0               | 3.052                               | 0.025 | 0    | 0          | 0            | 3 |
| 118578       | PL.804      | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.93         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 3.052                               | 0.000 | 14   | 2          | 1            | 1 |
| 1185138      | PL.804      | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.89         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 3.052                               | 0.000 | 13   | 2          | 1            | 1 |
| 118581       | PL.804      | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.88         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 3.052                               | 0.000 | 13   | 2          | 1            | 1 |
| 118558       | PL.8774     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.40                     | 0.68         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 2.988                               | 0.000 | 10   | 2          | 1            | 1 |
| 1185170      | PL.8774     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.40                     | 0.81         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 2.988                               | 0.000 | 12   | 2          | 1            | 1 |
| 118577       | PL.8774     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.40                     | 1.03         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 2.988                               | 0.000 | 15   | 2          | 1            | 1 |
| 1185124      | PL.8773     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.47         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.962                               | 0.000 | 7    | 1          | 1            | 1 |
| 1185136      | PL.8773     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.962                               | 0.000 | 0    | 0          | 1            | 1 |
| 118563       | PL.8773     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.73         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 2.962                               | 0.000 | 11   | 2          | 1            | 1 |
| 1185113      | PL.8773     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.64         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.962                               | 0.000 | 10   | 1          | 1            | 1 |
| 118573       | PL.8773     | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.39                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.962                               | 0.000 | 0    | 0          | 0            | 0 |
| P PL.29019   | PL.8701     | A   | 1/0EPRJCN          | 15.08Y    | 125.6        | -0.00           | 0.37                     | -0.15        | 0        | 0          | -2      | 0          | 0.00      | 0.0               | 2.888                               | 0.018 | 0    | 0          | 0            | 0 |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.65                     | 4.90         | 3        | 73         | 9       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 5 |
| 118587       | PL.29019    | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.65                     | 0.98         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 2.888                               | 0.000 | 15   | 2          | 1            | 1 |
| 1185121      | PL.29019    | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.65                     | 0.64         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.888                               | 0.000 | 10   | 1          | 1            | 1 |
| 118555       | PL.29019    | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.65                     | 1.77         | 0        | 26         | 4       | 99         | 0.00      | 0.0               | 2.888                               | 0.000 | 26   | 4          | 1            | 1 |
| P PL.29020   | PL.29019    | A   | 1/0EPRJCN          | 15.08Y    | 125.6        | -0.00           | 0.37                     | -0.13        | 0        | 0          | -2      | 0          | 0.00      | 0.0               | 2.934                               | 0.047 | 0    | 0          | 0            | 0 |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.65                     | 1.52         | 1        | 23         | 2       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 2 |
| PL.46572     | PL.29020    | A   | 1/0EPRJCN          | 15.08Y    | 125.6        | -0.00           | 0.37                     | -0.07        | 0        | 0          | -1      | 0          | 0.00      | 0.0               | 2.987                               | 0.052 | 0    | 0          | 0            | 0 |
|              |             | C   |                    | 15.04Y    | 125.4        | 0.00            | 0.65                     | -0.07        | 0        | 0          | -1      | 0          |           |                   |                                     |       | 0    | 0          | 0            | 0 |
| PL.45605     | PL.29020    | A   | 1/0EPRJCN          | 15.08Y    | 125.6        | -0.00           | 0.37                     | -0.01        | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.940                               | 0.006 | 0    | 0          | 0            | 0 |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR  | Cons<br>On | Cons<br>Thru |           |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-------------------|-------------------------------------|-------|-------|------------|--------------|-----------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss |                   |                                     |       |       |            |              | %<br>Loss |      |
| 118574       | PL.29020    | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.65                     | 0.60         | 0        | 9          | 1       | 99         | 0.00              | 0.0                                 | 2.934 | 0.000 | 9          | 1            | 1         | 1    |
| 1185117      | PL.29020    | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.65                     | 0.93         | 0        | 14         | 2       | 99         | 0.00              | 0.0                                 | 2.934 | 0.000 | 14         | 2            | 1         | 1    |
| 118546       | PL.8699     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.86         | 0        | 13         | 2       | 99         | 0.00              | 0.0                                 | 2.804 | 0.000 | 13         | 2            | 1         | 1    |
| 118571       | PL.8699     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57                     | 1.06         | 0        | 16         | 2       | 99         | 0.00              | 0.0                                 | 2.804 | 0.000 | 16         | 2            | 1         | 1    |
| 118539       | PL.8699     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57                     | 1.05         | 0        | 16         | 2       | 99         | 0.00              | 0.0                                 | 2.804 | 0.000 | 16         | 2            | 1         | 1    |
| 1185126      | PL.8699     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.57                     | 0.90         | 0        | 13         | 2       | 99         | 0.00              | 0.0                                 | 2.804 | 0.000 | 13         | 2            | 1         | 1    |
| 118579       | PL.8697     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.94         | 0        | 14         | 2       | 99         | 0.00              | 0.0                                 | 2.750 | 0.000 | 14         | 2            | 1         | 1    |
| 118544       | PL.8697     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.63         | 0        | 9          | 1       | 99         | 0.00              | 0.0                                 | 2.750 | 0.000 | 9          | 1            | 1         | 1    |
| 118585       | PL.8697     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.88         | 0        | 13         | 2       | 99         | 0.00              | 0.0                                 | 2.750 | 0.000 | 13         | 2            | 1         | 1    |
| 118526       | PL.8695     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.80         | 0        | 12         | 2       | 99         | 0.00              | 0.0                                 | 2.698 | 0.000 | 12         | 2            | 1         | 1    |
| 118529       | PL.8695     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.98         | 0        | 15         | 2       | 99         | 0.00              | 0.0                                 | 2.698 | 0.000 | 15         | 2            | 1         | 1    |
| 118543       | PL.8695     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.56                     | 1.05         | 0        | 16         | 2       | 99         | 0.00              | 0.0                                 | 2.698 | 0.000 | 16         | 2            | 1         | 1    |
| 118568       | PL.8695     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.56                     | 0.61         | 0        | 9          | 1       | 99         | 0.00              | 0.0                                 | 2.698 | 0.000 | 9          | 1            | 1         | 1    |
| 118552       | PL.8694     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.55                     | 0.52         | 0        | 8          | 1       | 99         | 0.00              | 0.0                                 | 2.672 | 0.000 | 8          | 1            | 1         | 1    |
| 1185114      | PL.8694     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.55                     | 0.88         | 0        | 13         | 2       | 99         | 0.00              | 0.0                                 | 2.672 | 0.000 | 13         | 2            | 1         | 1    |
| 118586       | PL.8694     | C   | Consumer           | 15.04Y    | 125.4        | 0.00            | 0.64                     | 0.87         | 0        | 13         | 2       | 99         | 0.00              | 0.0                                 | 2.672 | 0.000 | 13         | 2            | 1         | 1    |
| PL.38        | PL.40820    | A   | 336ACSR            | 15.09Y    | 125.7        | -0.00           | 0.29                     | 27.08        | 4        | 407        | 39      | 100        | 0.07              | 0.0                                 | 2.597 | 0.060 | 0          | 0            | 0         | 28   |
|              |             | B   |                    | 15.05Y    | 125.5        | 0.01            | 0.55                     | 25.05        | 3        | 375        | 42      | 99         |                   |                                     |       |       | 0          | 0            | 0         | 24   |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.01            | 0.65                     | 53.68        | 7        | 801        | 99      | 99         |                   |                                     |       |       | 0          | 0            | 0         | 64   |
| PL.8940      | PL.38       | A   | 336ACSR            | 15.09Y    | 125.7        | -0.00           | 0.29                     | 27.08        | 4        | 407        | 39      | 100        | 0.08              | 0.0                                 | 2.664 | 0.067 | 0          | 0            | 0         | 28   |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.01            | 0.56                     | 25.05        | 3        | 375        | 42      | 99         |                   |                                     |       |       | 0          | 0            | 0         | 24   |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.01            | 0.67                     | 53.68        | 7        | 801        | 99      | 99         |                   |                                     |       |       | 0          | 0            | 0         | 64   |
| PL.8941      | PL.8940     | A   | 336ACSR            | 15.09Y    | 125.7        | -0.00           | 0.28                     | 24.34        | 3        | 366        | 30      | 100        | 0.10              | 0.0                                 | 2.757 | 0.093 | 0          | 0            | 0         | 28   |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.01            | 0.57                     | 22.30        | 3        | 334        | 32      | 100        |                   |                                     |       |       | 0          | 0            | 0         | 24   |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.02            | 0.69                     | 50.92        | 7        | 761        | 89      | 99         |                   |                                     |       |       | 0          | 0            | 0         | 64   |
| PL.41665     | PL.8941     | C   | 2ACSR              | 15.04Y    | 125.3        | 0.00            | 0.69                     | 20.37        | 8        | 304        | 40      | 99         | 0.01              | 0.0                                 | 2.767 | 0.010 | 0          | 0            | 0         | 24   |
| C PD.7491    | PL.41665    | C   | fuse15AMP          | 15.04Y    | 125.3        | 0.00            | 0.69                     | 20.37        | 135      | 304        | 40      | 99         | 0.00              | 0.0                                 | 2.767 | 0.000 | 0          | 0            | 0         | 24 C |
| PL.41666     | PD.7491     | C   | 2ACSR              | 15.04Y    | 125.3        | 0.01            | 0.70                     | 20.37        | 8        | 304        | 40      | 99         | 0.02              | 0.0                                 | 2.797 | 0.029 | 0          | 0            | 0         | 24   |
| PL.41667     | PL.41666    | C   | 1/0EPRJCN          | 15.04Y    | 125.3        | 0.01            | 0.71                     | 20.37        | 11       | 304        | 40      | 99         | 0.02              | 0.0                                 | 2.843 | 0.046 | 0          | 0            | 0         | 24   |
| PL.41673     | PL.41667    | C   | 1/0EPRJCN          | 15.03Y    | 125.3        | 0.00            | 0.71                     | 18.85        | 10       | 281        | 38      | 99         | 0.01              | 0.0                                 | 2.863 | 0.020 | 0          | 0            | 0         | 23   |
| 1185116      | PL.41673    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.71                     | 1.05         | 0        | 16         | 2       | 99         | 0.00              | 0.0                                 | 2.863 | 0.000 | 16         | 2            | 1         | 1    |
| 1185129      | PL.41673    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.71                     | 1.00         | 0        | 15         | 2       | 99         | 0.00              | 0.0                                 | 2.863 | 0.000 | 15         | 2            | 1         | 1    |
| PL.41674     | PL.41673    | C   | 1/0EPRJCN          | 15.03Y    | 125.3        | 0.00            | 0.71                     | 16.81        | 9        | 250        | 34      | 99         | 0.00              | 0.0                                 | 2.866 | 0.002 | 0          | 0            | 0         | 21   |
| PL.41670     | PL.41674    | C   | 1/0EPRJCN          | 15.03Y    | 125.3        | 0.00            | 0.71                     | 16.81        | 9        | 250        | 34      | 99         | 0.00              | 0.0                                 | 2.880 | 0.014 | 0          | 0            | 0         | 21   |
| PL.41664     | PL.41670    | C   | 1/0EPRJCN          | 15.03Y    | 125.3        | 0.00            | 0.71                     | -0.00        | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 2.883 | 0.003 | 0          | 0            | 0         | 0    |
| PL.41672     | PL.41670    | C   | 1/0EPRJCN          | 15.03Y    | 125.3        | 0.00            | 0.71                     | 16.81        | 9        | 250        | 34      | 99         | 0.00              | 0.0                                 | 2.884 | 0.004 | 0          | 0            | 0         | 21   |
| PL.41671     | PL.41672    | C   | 1/0EPRJCN          | 15.03Y    | 125.3        | 0.01            | 0.73                     | 15.42        | 8        | 230        | 31      | 99         | 0.02              | 0.0                                 | 2.958 | 0.074 | 0          | 0            | 0         | 19   |
| 1185118      | PL.41671    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.73                     | 0.93         | 0        | 14         | 2       | 99         | 0.00              | 0.0                                 | 2.958 | 0.000 | 14         | 2            | 1         | 1    |
| 1185119      | PL.41671    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.73                     | 1.18         | 0        | 18         | 3       | 99         | 0.00              | 0.0                                 | 2.958 | 0.000 | 18         | 3            | 1         | 1    |
| 118598       | PL.41671    | C   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.73                     | 0.63         | 0        | 9          | 1       | 99         | 0.00              | 0.0                                 | 2.958 | 0.000 | 9          | 1            | 1         | 1    |
| PL.8925      | PL.41671    | C   | 1/0EPRJCN          | 15.03Y    | 125.3        | 0.00            | 0.73                     | 12.69        | 7        | 189        | 26      | 99         | 0.00              | 0.0                                 | 2.980 | 0.021 | 0          | 0            | 0         | 16   |

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for elements PL.8926 through PL.45996.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |     |      | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|-----|------|---------|------------|-----------|-------------------|----------------|-------------------|----|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | KW  | KVAR |         |            |           |                   |                |                   |    |            |              |
| PD.8702      | PL.45996    | A   | 50E                | 15.09Y    | 125.7        | 0.00            | 0.29                     | 24.14        | 48       | 361        | 45   | 99  | 0.00 | 0.0     | 2.813      | 0.000     | 0                 | 0              | 0                 | 26 |            |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.57                     | 19.23        | 38       | 288        | 31   | 99  |      |         |            |           | 0                 | 0              | 0                 | 21 |            |              |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.00            | 0.69                     | 30.51        | 61       | 455        | 57   | 99  |      |         |            |           | 0                 | 0              | 0                 | 33 |            |              |
| PL.8939      | PD.8702     | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | 0.00            | 0.29                     | 24.14        | 13       | 361        | 45   | 99  | 0.04 | 0.0     | 2.839      | 0.026     | 0                 | 0              | 0                 | 26 |            |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.57                     | 19.23        | 10       | 288        | 31   | 99  |      |         |            |           | 0                 | 0              | 0                 | 21 |            |              |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.01            | 0.70                     | 30.51        | 16       | 455        | 57   | 99  |      |         |            |           | 0                 | 0              | 0                 | 33 |            |              |
| PL.8938      | PL.8939     | A   | 1/0EPRJCN          | 15.08Y    | 125.7        | 0.00            | 0.30                     | 20.76        | 11       | 311        | 38   | 99  | 0.04 | 0.0     | 2.864      | 0.025     | 0                 | 0              | 0                 | 23 |            |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.58                     | 19.24        | 10       | 288        | 32   | 99  |      |         |            |           | 0                 | 0              | 0                 | 21 |            |              |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.01            | 0.70                     | 30.52        | 16       | 455        | 58   | 99  |      |         |            |           | 0                 | 0              | 0                 | 33 |            |              |
| 1185160      | PL.8938     | A   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.61         | 0        | 9          | 1    | 99  | 0.00 | 0.0     | 2.864      | 0.000     | 9                 | 1              | 1                 | 1  |            |              |
| 1185207      | PL.8938     | A   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.67         | 0        | 10         | 2    | 98  | 0.00 | 0.0     | 2.864      | 0.000     | 10                | 2              | 1                 | 1  |            |              |
| 1185190      | PL.8938     | A   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.87         | 0        | 13         | 2    | 99  | 0.00 | 0.0     | 2.864      | 0.000     | 13                | 2              | 1                 | 1  |            |              |
| 1185214      | PL.8938     | A   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.90         | 0        | 13         | 2    | 99  | 0.00 | 0.0     | 2.864      | 0.000     | 13                | 2              | 1                 | 1  |            |              |
| PL.8937      | PL.8938     | A   | 1/0EPRJCN          | 15.08Y    | 125.7        | 0.00            | 0.30                     | 17.71        | 9        | 265        | 31   | 99  | 0.04 | 0.0     | 2.890      | 0.026     | 0                 | 0              | 0                 | 19 |            |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.58                     | 19.24        | 10       | 288        | 32   | 99  |      |         |            |           | 0                 | 0              | 0                 | 21 |            |              |
|              |             | C   |                    | 15.03Y    | 125.3        | 0.01            | 0.71                     | 30.52        | 16       | 455        | 58   | 99  |      |         |            |           | 0                 | 0              | 0                 | 33 |            |              |
| PL.8936      | PL.8937     | A   | 1/0EPRJCN          | 15.08Y    | 125.7        | 0.00            | 0.30                     | 14.08        | 7        | 211        | 24   | 99  | 0.04 | 0.0     | 2.916      | 0.026     | 0                 | 0              | 0                 | 15 |            |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.59                     | 19.24        | 10       | 288        | 32   | 99  |      |         |            |           | 0                 | 0              | 0                 | 21 |            |              |
|              |             | C   |                    | 15.03Y    | 125.3        | 0.01            | 0.72                     | 30.52        | 16       | 455        | 59   | 99  |      |         |            |           | 0                 | 0              | 0                 | 33 |            |              |
| 1185195      | PL.8936     | A   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 1.73         | 0        | 26         | 4    | 99  | 0.00 | 0.0     | 2.916      | 0.000     | 26                | 4              | 1                 | 1  |            |              |
| 1185192      | PL.8936     | A   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.82         | 0        | 12         | 2    | 99  | 0.00 | 0.0     | 2.916      | 0.000     | 12                | 2              | 1                 | 1  |            |              |
| 1185200      | PL.8936     | A   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 1.07         | 0        | 16         | 2    | 99  | 0.00 | 0.0     | 2.916      | 0.000     | 16                | 2              | 1                 | 1  |            |              |
| PL.8935      | PL.8936     | A   | 1/0EPRJCN          | 15.08Y    | 125.7        | 0.00            | 0.30                     | 10.46        | 6        | 157        | 16   | 99  | 0.03 | 0.0     | 2.941      | 0.025     | 0                 | 0              | 0                 | 12 |            |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.59                     | 19.25        | 10       | 288        | 33   | 99  |      |         |            |           | 0                 | 0              | 0                 | 21 |            |              |
|              |             | C   |                    | 15.03Y    | 125.3        | 0.01            | 0.72                     | 30.53        | 16       | 455        | 59   | 99  |      |         |            |           | 0                 | 0              | 0                 | 33 |            |              |
| PL.8934      | PL.8935     | A   | 1/0EPRJCN          | 15.08Y    | 125.7        | 0.00            | 0.30                     | 6.99         | 4        | 105        | 9    | 100 | 0.03 | 0.0     | 2.968      | 0.027     | 0                 | 0              | 0                 | 8  |            |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.59                     | 19.25        | 10       | 288        | 33   | 99  |      |         |            |           | 0                 | 0              | 0                 | 21 |            |              |
|              |             | C   |                    | 15.03Y    | 125.3        | 0.01            | 0.73                     | 30.53        | 16       | 455        | 60   | 99  |      |         |            |           | 0                 | 0              | 0                 | 33 |            |              |
| 1185197      | PL.8934     | A   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 1.01         | 0        | 15         | 2    | 99  | 0.00 | 0.0     | 2.968      | 0.000     | 15                | 2              | 1                 | 1  |            |              |
| 1185203      | PL.8934     | A   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 1.01         | 0        | 15         | 2    | 99  | 0.00 | 0.0     | 2.968      | 0.000     | 15                | 2              | 1                 | 1  |            |              |
| 1185198      | PL.8934     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.59                     | 0.88         | 0        | 13         | 2    | 99  | 0.00 | 0.0     | 2.968      | 0.000     | 13                | 2              | 1                 | 1  |            |              |
| PL.8933      | PL.8934     | A   | 1/0EPRJCN          | 15.08Y    | 125.7        | 0.00            | 0.30                     | 4.98         | 3        | 75         | 5    | 100 | 0.02 | 0.0     | 2.983      | 0.015     | 0                 | 0              | 0                 | 6  |            |              |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.60                     | 18.38        | 10       | 275        | 32   | 99  |      |         |            |           | 0                 | 0              | 0                 | 20 |            |              |
|              |             | C   |                    | 15.03Y    | 125.3        | 0.00            | 0.74                     | 30.54        | 16       | 455        | 60   | 99  |      |         |            |           | 0                 | 0              | 0                 | 33 |            |              |
| PL.8942      | PL.8933     | B   | 1/0EPRJCN          | 15.05Y    | 125.4        | 0.01            | 0.60                     | 16.71        | 9        | 249        | 35   | 99  | 0.01 | 0.0     | 3.020      | 0.037     | 0                 | 0              | 0                 | 18 |            |              |
| PL.8943      | PL.8942     | B   | 1/0EPRJCN          | 15.05Y    | 125.4        | 0.00            | 0.61                     | 14.92        | 8        | 222        | 31   | 99  | 0.01 | 0.0     | 3.044      | 0.024     | 0                 | 0              | 0                 | 16 |            |              |
| 1185177      | PL.8943     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 1.06         | 0        | 16         | 2    | 99  | 0.00 | 0.0     | 3.044      | 0.000     | 16                | 2              | 1                 | 1  |            |              |
| 1185154      | PL.8943     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 1.00         | 0        | 15         | 2    | 99  | 0.00 | 0.0     | 3.044      | 0.000     | 15                | 2              | 1                 | 1  |            |              |
| 1185161      | PL.8943     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.73         | 0        | 11         | 2    | 98  | 0.00 | 0.0     | 3.044      | 0.000     | 11                | 2              | 1                 | 1  |            |              |
| PL.8944      | PL.8943     | B   | 1/0EPRJCN          | 15.05Y    | 125.4        | 0.00            | 0.61                     | 12.13        | 6        | 181        | 25   | 99  | 0.00 | 0.0     | 3.069      | 0.025     | 0                 | 0              | 0                 | 13 |            |              |
| 1185157      | PL.8944     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.99         | 0        | 15         | 2    | 99  | 0.00 | 0.0     | 3.069      | 0.000     | 15                | 2              | 1                 | 1  |            |              |
| 1185169      | PL.8944     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.92         | 0        | 14         | 2    | 99  | 0.00 | 0.0     | 3.069      | 0.000     | 14                | 2              | 1                 | 1  |            |              |
| 1185173      | PL.8944     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.71         | 0        | 11         | 2    | 98  | 0.00 | 0.0     | 3.069      | 0.000     | 11                | 2              | 1                 | 1  |            |              |
| 1185155      | PL.8944     | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 1.28         | 0        | 19         | 3    | 99  | 0.00 | 0.0     | 3.069      | 0.000     | 19                | 3              | 1                 | 1  |            |              |
| PL.27801     | PL.8944     | B   | 1/0EPRJCN          | 15.05Y    | 125.4        | 0.00            | 0.61                     | 8.24         | 4        | 123        | 17   | 99  | 0.00 | 0.0     | 3.097      | 0.028     | 0                 | 0              | 0                 | 9  |            |              |
| 1185189      | PL.27801    | B   | Consumer           | 15.05Y    | 125.4        | 0.00            | 0.61                     | 0.92         | 0        | 14         | 2    | 99  | 0.00 | 0.0     | 3.097      | 0.000     | 14                | 2              | 1                 | 1  |            |              |



Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 1185158, 1185156, etc.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name    | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |   |
|-----------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|----|------------|--------------|------|---|
|                 |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW |            |              | KVAR |   |
| P PL.8535       | PL.8534     | A   | 1/0EPRJCN          | 15.08Y    | 125.7        | -0.00           | 0.30                     | -0.14        | 0        | 0          | -2   | 0       | 0.00       | 0.0               | 3.220          | 0.026             | 0  | 0          | 0            | 0    | P |
|                 |             | B   |                    | 15.05Y    | 125.4        | -0.00           | 0.59                     | -0.14        | 0        | 0          | -2   | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    |   |
|                 |             | C   |                    | 15.03Y    | 125.2        | 0.00            | 0.78                     | 3.32         | 2        | 50         | 5    | 99      |            |                   |                |                   | 0  | 0          | 0            | 3    |   |
| P PL.8536       | PL.8535     | A   | 1/0EPRJCN          | 15.08Y    | 125.7        | -0.00           | 0.30                     | -0.11        | 0        | 0          | -2   | 0       | 0.00       | 0.0               | 3.259          | 0.040             | 0  | 0          | 0            | 0    | P |
|                 |             | B   |                    | 15.05Y    | 125.4        | -0.00           | 0.59                     | -0.11        | 0        | 0          | -2   | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    |   |
|                 |             | C   |                    | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.82         | 0        | 12         | 0    | 100     |            |                   |                |                   | 0  | 0          | 0            | 1    |   |
| P PL.46570<br>P | PL.8536     | A   | 1/0EPRJCN          | 15.08Y    | 125.7        | -0.00           | 0.30                     | -0.01        | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.264          | 0.004             | 0  | 0          | 0            | 0    | P |
|                 |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.59                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    | P |
|                 |             | C   |                    | 15.03Y    | 125.2        | 0.00            | 0.78                     | -0.01        | 0        | 0          | 0    | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    |   |
| P PL.40721      | PL.8536     | A   | 1/0EPRJCN          | 15.08Y    | 125.7        | -0.00           | 0.30                     | -0.05        | 0        | 0          | -1   | 0       | 0.00       | 0.0               | 3.276          | 0.016             | 0  | 0          | 0            | 0    | P |
|                 |             | B   |                    | 15.05Y    | 125.4        | -0.00           | 0.59                     | -0.05        | 0        | 0          | -1   | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    |   |
|                 |             | C   |                    | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.82         | 0        | 12         | 1    | 100     |            |                   |                |                   | 0  | 0          | 0            | 1    |   |
| 1185251         | PL.40721    | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.276          | 0.000             | 0  | 0          | 0            | 0    |   |
| 1185227         | PL.40721    | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.83         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 3.276          | 0.000             | 12 | 2          | 1            | 1    |   |
| 1185231         | PL.40721    | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.276          | 0.000             | 0  | 0          | 0            | 0    |   |
| P PL.40722<br>P | PL.40721    | A   | 1/0EPRJCN          | 15.08Y    | 125.7        | -0.00           | 0.30                     | -0.03        | 0        | 0          | -1   | 0       | 0.00       | 0.0               | 3.303          | 0.027             | 0  | 0          | 0            | 0    | P |
|                 |             | B   |                    | 15.05Y    | 125.4        | -0.00           | 0.59                     | -0.03        | 0        | 0          | -1   | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    | P |
|                 |             | C   |                    | 15.03Y    | 125.2        | 0.00            | 0.78                     | -0.03        | 0        | 0          | -1   | 0       |            |                   |                |                   | 0  | 0          | 0            | 0    |   |
| 1185236         | PL.8535     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.220          | 0.000             | 0  | 0          | 0            | 0    |   |
| 1185228         | PL.8535     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 1.95         | 0        | 29         | 4    | 99      | 0.00       | 0.0               | 3.220          | 0.000             | 29 | 4          | 1            | 1    |   |
| 1185230         | PL.8535     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.56         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 3.220          | 0.000             | 8  | 1          | 1            | 1    |   |
| 1185235         | PL.8534     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.37         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.194          | 0.000             | 6  | 1          | 1            | 1    |   |
| 1185167         | PL.8534     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.57         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 3.194          | 0.000             | 8  | 1          | 1            | 1    |   |
| 1185229         | PL.8534     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 1.08         | 0        | 16         | 2    | 99      | 0.00       | 0.0               | 3.194          | 0.000             | 16 | 2          | 1            | 1    |   |
| PL.8529         | PL.8528     | C   | 1/0EPRJCN          | 15.03Y    | 125.2        | 0.01            | 0.78                     | 14.31        | 8        | 213        | 30   | 99      | 0.01       | 0.0               | 3.171          | 0.034             | 0  | 0          | 0            | 15   |   |
| PL.8530         | PL.8529     | C   | 1/0EPRJCN          | 15.03Y    | 125.2        | 0.00            | 0.79                     | 10.18        | 5        | 151        | 21   | 99      | 0.00       | 0.0               | 3.198          | 0.027             | 0  | 0          | 0            | 11   |   |
| 1185145         | PL.8530     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.79                     | 0.69         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 3.198          | 0.000             | 10 | 2          | 1            | 1    |   |
| 1185142         | PL.8530     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.79                     | 0.89         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 3.198          | 0.000             | 13 | 2          | 1            | 1    |   |
| 1185168         | PL.8530     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.79                     | 1.06         | 0        | 16         | 2    | 99      | 0.00       | 0.0               | 3.198          | 0.000             | 16 | 2          | 1            | 1    |   |
| PL.8531         | PL.8530     | C   | 1/0EPRJCN          | 15.03Y    | 125.2        | 0.00            | 0.79                     | 7.54         | 4        | 112        | 16   | 99      | 0.00       | 0.0               | 3.223          | 0.026             | 0  | 0          | 0            | 8    |   |
| 1185140         | PL.8531     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.79                     | 0.63         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 3.223          | 0.000             | 9  | 1          | 1            | 1    |   |
| 1185146         | PL.8531     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.79                     | 0.84         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 3.223          | 0.000             | 12 | 2          | 1            | 1    |   |
| 1185184         | PL.8531     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.79                     | 1.32         | 0        | 20         | 3    | 99      | 0.00       | 0.0               | 3.223          | 0.000             | 20 | 3          | 1            | 1    |   |
| PL.8532         | PL.8531     | C   | 1/0EPRJCN          | 15.03Y    | 125.2        | 0.00            | 0.79                     | 4.76         | 3        | 71         | 10   | 99      | 0.00       | 0.0               | 3.248          | 0.024             | 0  | 0          | 0            | 5    |   |
| 1185218         | PL.8532     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.79                     | 0.05         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.248          | 0.000             | 1  | 0          | 1            | 1    |   |
| 1185217         | PL.8532     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.79                     | 0.68         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 3.248          | 0.000             | 10 | 2          | 1            | 1    |   |
| 1185144         | PL.8532     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.79                     | 1.06         | 0        | 16         | 2    | 99      | 0.00       | 0.0               | 3.248          | 0.000             | 16 | 2          | 1            | 1    |   |
| 1185216         | PL.8532     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.79                     | 1.28         | 0        | 19         | 3    | 99      | 0.00       | 0.0               | 3.248          | 0.000             | 19 | 3          | 1            | 1    |   |
| 1185208         | PL.8532     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.79                     | 1.68         | 0        | 25         | 4    | 99      | 0.00       | 0.0               | 3.248          | 0.000             | 25 | 4          | 1            | 1    |   |
| 1185143         | PL.8529     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 1.58         | 0        | 24         | 4    | 99      | 0.00       | 0.0               | 3.171          | 0.000             | 24 | 4          | 1            | 1    |   |
| 1185141         | PL.8529     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.86         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 3.171          | 0.000             | 13 | 2          | 1            | 1    |   |
| 1185205         | PL.8529     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.93         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 3.171          | 0.000             | 14 | 2          | 1            | 1    |   |
| 1185166         | PL.8529     | C   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.78                     | 0.76         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 3.171          | 0.000             | 11 | 2          | 1            | 1    |   |

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements 1185152 through 1185153 and PL.29048 through PD.8759.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, Element KVAR, Cons On, Cons Thru. Includes data for elements PL.46569, PL.8949, 1185304, 1185252, PL.8948, PL.8947, 1185281, 1185298, 1185309, 1185312, 1185239, PL.8946, PL.8945, P PL.8541, 1185265, 1185297, P PL.8542, 1185276, 1185310, PL.8543, 1185296, 1185303, 1185240, PL.46550, PL.8540, P 1185226, 1185254, PL.8539, P PL.8538.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements PL.46571, 1185224, 1185223, 1185237, 1185238, 1185253, 1185225, 1185232, 1185262, 1185299, 1185246, 1185245, PL.46557, 1185318, PL.46566, PL.46553, 118508, 1185261, 1185260, 1185259, 1185263, 1185264, 1185266, 1185267, 1185268, 1185270, 1185315, 1185300, 1185314, 1185301, 1185311, PL.44317, PL.44728.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data rows for various elements like PL.44730, PL.44732, etc.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR  | Cons<br>On | Cons<br>Thru |           |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-------------------|-------------------------------------|-------|-------|------------|--------------|-----------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss |                   |                                     |       |       |            |              | %<br>Loss |     |
| PL.46556     | PD.8757     | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | 0.00            | 0.28                     | -0.00        | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.163 | 0.001 | 0          | 0            | 0         | 0   |
| P PL.46555   | PD.8757     | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.24        | 0        | 0          | -4      | 0          | 0.00              | 0.0                                 | 3.191 | 0.029 | 0          | 0            | 0         | 0 P |
| P PL.8961    | PL.46555    | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.21        | 0        | 0          | -3      | 0          | 0.00              | 0.0                                 | 3.213 | 0.023 | 0          | 0            | 0         | 0 P |
| P PL.8960    | PL.8961     | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.18        | 0        | 0          | -3      | 0          | 0.00              | 0.0                                 | 3.239 | 0.026 | 0          | 0            | 0         | 0 P |
| 1185313      | PL.8960     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.239 | 0.000 | 0          | 0            | 0         | 0   |
| P PL.8959    | PL.8960     | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.15        | 0        | 0          | -2      | 0          | 0.00              | 0.0                                 | 3.266 | 0.027 | 0          | 0            | 0         | 0 P |
| 1185279      | PL.8959     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.266 | 0.000 | 0          | 0            | 0         | 0   |
| 1185326      | PL.8959     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.266 | 0.000 | 0          | 0            | 0         | 0   |
| P PL.8958    | PL.8959     | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.11        | 0        | 0          | -2      | 0          | 0.00              | 0.0                                 | 3.293 | 0.027 | 0          | 0            | 0         | 0 P |
| PL.8957      | PL.8958     | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.08        | 0        | 0          | -1      | 0          | 0.00              | 0.0                                 | 3.320 | 0.027 | 0          | 0            | 0         | 0   |
| 1185247      | PL.8957     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.320 | 0.000 | 0          | 0            | 0         | 0   |
| PL.8956      | PL.8957     | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.04        | 0        | 0          | -1      | 0          | 0.00              | 0.0                                 | 3.344 | 0.024 | 0          | 0            | 0         | 0   |
| PL.46551     | PL.8956     | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.01        | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.355 | 0.011 | 0          | 0            | 0         | 0   |
| 1185308      | PL.8956     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.344 | 0.000 | 0          | 0            | 0         | 0   |
| 1185233      | PL.8956     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.344 | 0.000 | 0          | 0            | 0         | 0   |
| 1185325      | PL.8958     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.293 | 0.000 | 0          | 0            | 0         | 0   |
| 1185234      | PL.8958     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.293 | 0.000 | 0          | 0            | 0         | 0   |
| 1185295      | PL.8958     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.293 | 0.000 | 0          | 0            | 0         | 0   |
| 1185280      | PL.8958     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.293 | 0.000 | 0          | 0            | 0         | 0   |
| 1185277      | PL.8961     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.213 | 0.000 | 0          | 0            | 0         | 0   |
| 1185302      | PL.8961     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.213 | 0.000 | 0          | 0            | 0         | 0   |
| 1185278      | PL.8961     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.213 | 0.000 | 0          | 0            | 0         | 0   |
| P PL.46563   | PL.46561    | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.19        | 0        | 0          | -3      | 0          | 0.00              | 0.0                                 | 2.954 | 0.012 | 0          | 0            | 0         | 0 P |
| PD.8758      | PL.46563    | A   | fuse15AMP          | 15.09Y    | 125.7        | 0.00            | 0.28                     | -0.17        | 1        | 0          | -3      | 0          | 0.00              | 0.0                                 | 2.954 | 0.000 | 0          | 0            | 0         | 0   |
| P PL.46564   | PD.8758     | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.17        | 0        | 0          | -3      | 0          | 0.00              | 0.0                                 | 2.982 | 0.028 | 0          | 0            | 0         | 0 P |
| P PL.8953    | PL.46564    | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.14        | 0        | 0          | -2      | 0          | 0.00              | 0.0                                 | 3.016 | 0.034 | 0          | 0            | 0         | 0 P |
| 1185306      | PL.8953     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.016 | 0.000 | 0          | 0            | 0         | 0   |
| 1185244      | PL.8953     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.016 | 0.000 | 0          | 0            | 0         | 0   |
| 1185242      | PL.8953     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.016 | 0.000 | 0          | 0            | 0         | 0   |
| 1185248      | PL.8953     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.016 | 0.000 | 0          | 0            | 0         | 0   |
| P PL.8952    | PL.8953     | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.09        | 0        | 0          | -1      | 0          | 0.00              | 0.0                                 | 3.044 | 0.027 | 0          | 0            | 0         | 0 P |
| PL.8951      | PL.8952     | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.06        | 0        | 0          | -1      | 0          | 0.00              | 0.0                                 | 3.070 | 0.026 | 0          | 0            | 0         | 0   |
| PL.46558     | PL.8951     | A   | 1/0EPRJCN          | 15.09Y    | 125.7        | -0.00           | 0.28                     | -0.03        | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.091 | 0.021 | 0          | 0            | 0         | 0   |
| 1185243      | PL.8951     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.070 | 0.000 | 0          | 0            | 0         | 0   |
| 1185241      | PL.8952     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.044 | 0.000 | 0          | 0            | 0         | 0   |
| 1185250      | PL.8952     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.044 | 0.000 | 0          | 0            | 0         | 0   |
| 1185307      | PL.46564    | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 2.982 | 0.000 | 0          | 0            | 0         | 0   |
| 118559       | PL.46561    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.69                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 2.942 | 0.000 | 0          | 0            | 1         | 1   |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| 118589       | PL.46561    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 0  | 0    |
| 1185322      | PL.46561    | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 0  | 0    |
| 1185128      | 1185322     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 0  | 0    |
| 1185193      | PL.46561    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 0  | 0    |
| 1185249      | PL.46561    | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 0  | 0    |
| 118536       | PL.46561    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 1  | 1    |
| 1185255      | PL.46561    | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 0  | 0    |
| 1185305      | PL.46561    | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 0  | 0    |
| 118566       | PL.46561    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 0  | 0    |
| 118560       | PL.46561    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 1  | 1    |
| 1185194      | PL.46561    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 0  | 0    |
| 118525       | PL.46561    | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 1  | 1    |
| 118567       | PL.46561    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.69                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 1  | 1    |
| 1185188      | PL.46561    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 0  | 0    |
| 118537       | PL.46561    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 1  | 1    |
| 1185323      | PL.46561    | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 0  | 1    |
| 1185324      | 1185323     | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 0  | 1    |
| 118535       | 1185324     | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 1  | 1    |
| 118534       | PL.46561    | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.28                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 0  | 0    |
| 118572       | PL.8941     | C   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.69                     | 0.10         | 0        | 1          | 1    | 71      | 0.00       | 0.0               | 2.757             | 0.000          | 1          | 1            | 1  | 1    |
| 118520       | PL.8940     | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.29                     | 2.77         | 0        | 41         | 10   | 97      | 0.00       | 0.0               | 2.664             | 0.000          | 41         | 10           | 0  | 0    |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.00            | 0.56                     | 2.78         | 0        | 41         | 10   | 97      |            |                   |                   |                | 41         | 10           | 0  | 0    |
|              |             | C   |                    | 15.04Y    | 125.3        | 0.00            | 0.67                     | 2.78         | 0        | 41         | 10   | 97      |            |                   |                   |                | 41         | 10           | 0  | 0    |
| 1185137      | PL.5515     | B   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.51                     | 0.07         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.375             | 0.000          | 1          | 0            | 1  | 1    |
| PL.17808     | PL.8422     | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 2.88         | 1        | 43         | 6    | 99      | 0.00       | 0.0               | 1.490             | 0.013          | 0          | 0            | 0  | 4    |
| PD.524       | PL.17808    | C   | fuse6AMP           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 2.88         | 49       | 43         | 6    | 99      | 0.00       | 0.0               | 1.490             | 0.000          | 0          | 0            | 0  | 4    |
| PL.17809     | PD.524      | C   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41                     | 2.88         | 1        | 43         | 6    | 99      | 0.00       | 0.0               | 1.531             | 0.041          | 0          | 0            | 0  | 4    |
| 118604       | PL.17809    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.531             | 0.000          | 0          | 0            | 1  | 1    |
| 118608       | PL.17809    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.92         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 1.531             | 0.000          | 14         | 2            | 1  | 1    |
| 118629       | PL.17809    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 0.76         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 1.531             | 0.000          | 11         | 2            | 1  | 1    |
| 118624       | PL.17809    | C   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41                     | 1.19         | 0        | 18         | 3    | 99      | 0.00       | 0.0               | 1.531             | 0.000          | 18         | 3            | 1  | 1    |
| 118633       | PL.5454     | B   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.05         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.238             | 0.000          | 1          | 0            | 1  | 1    |
| 118669       | PL.5454     | B   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.30                     | 0.77         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 1.238             | 0.000          | 11         | 2            | 1  | 1    |
| PL.317       | PL.8420     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.32                     | 2.21         | 1        | 32         | 8    | 97      | 0.00       | 0.0               | 1.158             | 0.066          | 0          | 0            | 0  | 6    |
| PL.21258     | PL.317      | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.32                     | 0.74         | 0        | 10         | 4    | 93      | 0.00       | 0.0               | 1.218             | 0.059          | 0          | 0            | 0  | 2    |
| PL.21644     | PL.21258    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.32                     | 0.74         | 0        | 10         | 4    | 93      | 0.00       | 0.0               | 1.224             | 0.006          | 0          | 0            | 0  | 2    |
| PL.505       | PL.21644    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.33                     | 0.61         | 0        | 8          | 4    | 89      | 0.00       | 0.0               | 1.309             | 0.084          | 0          | 0            | 0  | 1    |
| 118619       | PL.505      | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.33                     | 0.61         | 0        | 8          | 4    | 89      | 0.00       | 0.0               | 1.309             | 0.000          | 8          | 4            | 1  | 1    |
| PL.21645     | PL.21644    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.32                     | 0.13         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 1.495             | 0.271          | 0          | 0            | 0  | 1    |



Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| PL.21256     | PL.21645    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.32                     | 0.13         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.558                               | 0.064 | 0    | 0          | 0            | 1   |
| 118616       | PL.21256    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.32                     | 0.13         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.558                               | 0.000 | 2    | 0          | 1            | 1   |
| 118623       | PL.21256    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.32                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.558                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.21257     | PL.317      | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.33                     | 1.49         | 1        | 22         | 3       | 99         | 0.00      | 0.0               | 1.244                               | 0.086 | 0    | 0          | 0            | 4   |
| 118606       | PL.21257    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.33                     | 0.20         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.244                               | 0.000 | 3    | 0          | 1            | 1   |
| PL.22398     | PL.21257    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.33                     | 1.29         | 1        | 19         | 3       | 99         | 0.00      | 0.0               | 1.259                               | 0.016 | 0    | 0          | 0            | 3   |
| 118632       | PL.22398    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.33                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.259                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.22399     | PL.22398    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.33                     | 1.27         | 1        | 19         | 3       | 99         | 0.00      | 0.0               | 1.287                               | 0.028 | 0    | 0          | 0            | 2   |
| PL.21679     | PL.22399    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.33                     | 0.96         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 1.334                               | 0.047 | 0    | 0          | 0            | 1   |
| 118609       | PL.21679    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.33                     | 0.96         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 1.334                               | 0.000 | 14   | 2          | 1            | 1   |
| 118626       | PL.22399    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.33                     | 0.31         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.287                               | 0.000 | 5    | 1          | 1            | 1   |
| 118637       | PL.8417     | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.31                     | 0.67         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 1.045                               | 0.000 | 10   | 2          | 1            | 1   |
| PL.18211     | PL.8417     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.31                     | 5.98         | 3        | 89         | 13      | 99         | 0.00      | 0.0               | 1.057                               | 0.013 | 0    | 0          | 0            | 8   |
| C PD.530     | PL.18211    | C   | fuse6AMP           | 15.08Y    | 125.7        | 0.00            | 0.31                     | 5.98         | 102      | 89         | 13      | 99         | 0.00      | 0.0               | 1.057                               | 0.000 | 0    | 0          | 0            | 8 C |
| PL.18212     | PD.530      | C   | 4ACSR              | 15.08Y    | 125.7        | 0.01            | 0.32                     | 5.98         | 3        | 89         | 13      | 99         | 0.01      | 0.0               | 1.123                               | 0.066 | 0    | 0          | 0            | 8   |
| PL.8418      | PL.18212    | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.32                     | 2.90         | 1        | 43         | 7       | 99         | 0.00      | 0.0               | 1.162                               | 0.039 | 0    | 0          | 0            | 4   |
| 118643       | PL.8418     | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.32                     | 0.68         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 1.162                               | 0.000 | 10   | 2          | 1            | 1   |
| PL.5451      | PL.8418     | C   | 4ACSR              | 15.08Y    | 125.7        | 0.00            | 0.32                     | 2.23         | 1        | 33         | 5       | 99         | 0.00      | 0.0               | 1.203                               | 0.041 | 0    | 0          | 0            | 3   |
| 118645       | PL.5451     | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.32                     | 0.66         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 1.203                               | 0.000 | 10   | 1          | 1            | 1   |
| 118640       | PL.5451     | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.32                     | 0.93         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 1.203                               | 0.000 | 14   | 2          | 1            | 1   |
| 118642       | PL.5451     | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.32                     | 0.63         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.203                               | 0.000 | 9    | 1          | 1            | 1   |
| 118638       | PL.18212    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.32                     | 0.82         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.123                               | 0.000 | 12   | 2          | 1            | 1   |
| 118644       | PL.18212    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.32                     | 1.08         | 0        | 16         | 2       | 99         | 0.00      | 0.0               | 1.123                               | 0.000 | 16   | 2          | 1            | 1   |
| 118641       | PL.18212    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.32                     | 0.52         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.123                               | 0.000 | 8    | 1          | 1            | 1   |
| 118639       | PL.18212    | C   | Consumer           | 15.08Y    | 125.7        | 0.00            | 0.32                     | 0.65         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 1.123                               | 0.000 | 10   | 1          | 1            | 1   |
| PL.320       | PL.30923    | B   | 1/0EPRJCN          | 15.09Y    | 125.8        | 0.00            | 0.25                     | 9.56         | 5        | 144        | 4       | 100        | 0.00      | 0.0               | 0.976                               | 0.021 | 0    | 0          | 0            | 9   |
| PL.20267     | PL.320      | B   | 1/0EPRJCN          | 15.09Y    | 125.8        | 0.00            | 0.25                     | 9.56         | 5        | 144        | 5       | 100        | 0.00      | 0.0               | 0.999                               | 0.023 | 0    | 0          | 0            | 9   |
| PL.20266     | PL.20267    | B   | 1/0EPRJCN          | 15.09Y    | 125.7        | 0.00            | 0.25                     | 8.74         | 5        | 132        | 3       | 100        | 0.00      | 0.0               | 1.038                               | 0.039 | 0    | 0          | 0            | 8   |
| 118668       | PL.20266    | B   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.25                     | 1.54         | 0        | 23         | 3       | 99         | 0.00      | 0.0               | 1.038                               | 0.000 | 23   | 3          | 1            | 1   |
| PL.5457      | PL.20266    | B   | 1/0EPRJCN          | 15.09Y    | 125.7        | 0.00            | 0.26                     | 7.22         | 4        | 109        | 1       | 100        | 0.00      | 0.0               | 1.093                               | 0.055 | 0    | 0          | 0            | 7   |
| PL.8409      | PL.5457     | B   | 1/0EPRJCN          | 15.09Y    | 125.7        | 0.00            | 0.26                     | 1.27         | 1        | 18         | -5      | -96        | 0.00      | 0.0               | 1.159                               | 0.066 | 0    | 0          | 0            | 2   |
| PL.20157     | PL.8409     | B   | 1/0EPRJCN          | 15.09Y    | 125.7        | 0.00            | 0.26                     | 1.25         | 1        | 18         | -4      | -98        | 0.00      | 0.0               | 1.314                               | 0.155 | 0    | 0          | 0            | 2   |
| 1186071      | PL.20157    | B   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.26                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.314                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.20156     | PL.20157    | B   | 1/0EPRJCN          | 15.09Y    | 125.7        | 0.00            | 0.26                     | 1.22         | 1        | 18         | -1      | -100       | 0.00      | 0.0               | 1.385                               | 0.071 | 0    | 0          | 0            | 1   |
| PL.8421      | PL.20156    | B   | 1/0EPRJCN          | 15.09Y    | 125.7        | 0.00            | 0.26                     | -0.03        | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.407                               | 0.022 | 0    | 0          | 0            | 0   |
| PL.319       | PL.20156    | B   | 1/0EPRJCN          | 15.09Y    | 125.7        | 0.00            | 0.26                     | 1.22         | 1        | 18         | 1       | 100        | 0.00      | 0.0               | 1.481                               | 0.096 | 0    | 0          | 0            | 1   |
| 118630       | PL.319      | B   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.26                     | 1.23         | 0        | 18         | 3       | 99         | 0.00      | 0.0               | 1.481                               | 0.000 | 18   | 3          | 1            | 1   |
| PL.8410      | PL.5457     | B   | 1/0EPRJCN          | 15.09Y    | 125.7        | 0.00            | 0.26                     | 4.90         | 3        | 74         | 5       | 100        | 0.00      | 0.0               | 1.174                               | 0.081 | 0    | 0          | 0            | 4   |

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 2 (UNIONCITY2) Beginning with Device PD.3921.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |           | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|-------------------|----------------|-------------------|-----------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF |                   |                | kW<br>Loss        | %<br>Loss |            |              | KW | KVAR |
| PL.27444     | PL.21669    | A   | 2ACSR              | 15.02Y    | 125.1        | 0.00            | 0.87                     | 7.41         | 3        | 111        | -8   | -100    | 0.04              | 0.0            | 1.244             | 0.050     | 0          | 0            | 0  | 9    |
|              |             | B   |                    | 15.02Y    | 125.1        | 0.01            | 0.85                     | 11.46        | 5        | 170        | 26   | 99      |                   |                |                   |           | 0          | 0            | 0  | 17   |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.01            | 1.04                     | 18.17        | 7        | 270        | 34   | 99      |                   |                |                   |           | 0          | 0            | 0  | 27   |
| PD.3294      | PL.27444    | A   | 25V4E              | 15.02Y    | 125.1        | 0.00            | 0.87                     | 7.41         | 30       | 111        | -8   | -100    | 0.00              | 0.0            | 1.244             | 0.000     | 0          | 0            | 0  | 9    |
|              |             | B   |                    | 15.02Y    | 125.1        | 0.00            | 0.85                     | 11.46        | 46       | 170        | 26   | 99      |                   |                |                   |           | 0          | 0            | 0  | 17   |
|              |             | C   |                    | 15.00Y    | 125.0        | 0.00            | 1.04                     | 18.17        | 73       | 270        | 34   | 99      |                   |                |                   |           | 0          | 0            | 0  | 27   |
| PL.27445     | PD.3294     | A   | 2ACSR              | 15.02Y    | 125.1        | 0.00            | 0.87                     | 7.41         | 3        | 111        | -8   | -100    | 0.04              | 0.0            | 1.298             | 0.054     | 0          | 0            | 0  | 9    |
|              |             | B   |                    | 15.02Y    | 125.1        | 0.01            | 0.86                     | 11.46        | 5        | 170        | 26   | 99      |                   |                |                   |           | 0          | 0            | 0  | 17   |
|              |             | C   |                    | 14.99Y    | 124.9        | 0.01            | 1.05                     | 18.17        | 7        | 270        | 34   | 99      |                   |                |                   |           | 0          | 0            | 0  | 27   |
| 116717       | PL.27445    | A   | Consumer           | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.23         | 0        | 3          | 1    | 95      | 0.00              | 0.0            | 1.298             | 0.000     | 3          | 1            | 1  | 1    |
| 116716       | PL.27445    | A   | Consumer           | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.86         | 0        | 13         | 2    | 99      | 0.00              | 0.0            | 1.298             | 0.000     | 13         | 2            | 1  | 1    |
| 116733       | PL.27445    | A   | Consumer           | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.67         | 0        | 10         | 1    | 100     | 0.00              | 0.0            | 1.298             | 0.000     | 10         | 1            | 1  | 1    |
| 116762       | PL.27445    | A   | Consumer           | 15.02Y    | 125.1        | 0.00            | 0.87                     | 0.10         | 0        | 1          | 1    | 71      | 0.00              | 0.0            | 1.298             | 0.000     | 1          | 1            | 1  | 1    |
| PL.4307      | PL.27445    | C   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.06                     | 2.58         | 1        | 38         | 6    | 99      | 0.00              | 0.0            | 1.339             | 0.041     | 0          | 0            | 0  | 8    |
| PL.4308      | PL.4307     | C   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.06                     | 1.45         | 1        | 21         | 3    | 99      | 0.00              | 0.0            | 1.389             | 0.050     | 0          | 0            | 0  | 6    |
| 116725       | PL.4308     | C   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.20         | 0        | 3          | 0    | 100     | 0.00              | 0.0            | 1.389             | 0.000     | 3          | 0            | 1  | 1    |
| 116843       | PL.4308     | C   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.18         | 0        | 3          | 0    | 100     | 0.00              | 0.0            | 1.389             | 0.000     | 3          | 0            | 1  | 1    |
| 116720       | PL.4308     | C   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.30         | 0        | 4          | 1    | 97      | 0.00              | 0.0            | 1.389             | 0.000     | 4          | 1            | 1  | 1    |
| 116719       | PL.4308     | C   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.06         | 0        | 1          | 0    | 100     | 0.00              | 0.0            | 1.389             | 0.000     | 1          | 0            | 1  | 1    |
| 116707       | PL.4308     | C   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.14         | 0        | 2          | 0    | 100     | 0.00              | 0.0            | 1.389             | 0.000     | 2          | 0            | 1  | 1    |
| 116729       | PL.4308     | C   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.57         | 0        | 8          | 1    | 99      | 0.00              | 0.0            | 1.389             | 0.000     | 8          | 1            | 1  | 1    |
| PL.637       | PL.4307     | C   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.97         | 1        | 14         | 2    | 99      | 0.00              | 0.0            | 1.378             | 0.039     | 0          | 0            | 0  | 1    |
| 116741       | PL.637      | C   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.97         | 0        | 14         | 2    | 99      | 0.00              | 0.0            | 1.378             | 0.000     | 14         | 2            | 1  | 1    |
| 116706       | PL.4307     | C   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.06                     | 0.16         | 0        | 2          | 0    | 100     | 0.00              | 0.0            | 1.339             | 0.000     | 2          | 0            | 1  | 1    |
| PL.4662      | PL.27445    | B   | 4ACSR              | 15.01Y    | 125.1        | 0.03            | 0.89                     | 11.46        | 6        | 170        | 26   | 99      | 0.03              | 0.0            | 1.409             | 0.111     | 0          | 0            | 0  | 17   |
| 116708       | PL.4662     | B   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.89                     | 0.52         | 0        | 8          | 1    | 99      | 0.00              | 0.0            | 1.409             | 0.000     | 8          | 1            | 1  | 1    |
| PL.9020      | PL.4662     | B   | 4ACSR              | 15.01Y    | 125.1        | 0.01            | 0.90                     | 10.95        | 6        | 163        | 25   | 99      | 0.01              | 0.0            | 1.449             | 0.040     | 0          | 0            | 0  | 16   |
| PL.18250     | PL.9020     | B   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.90                     | 3.27         | 2        | 49         | 7    | 99      | 0.00              | 0.0            | 1.501             | 0.052     | 0          | 0            | 0  | 4    |
| PL.18251     | PL.18250    | B   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.90                     | 1.58         | 1        | 23         | 4    | 99      | 0.00              | 0.0            | 1.521             | 0.020     | 0          | 0            | 0  | 2    |
| PL.664       | PL.18251    | B   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.90                     | 1.58         | 1        | 23         | 4    | 99      | 0.00              | 0.0            | 1.551             | 0.029     | 0          | 0            | 0  | 2    |
| 116870       | PL.664      | B   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.90                     | 0.73         | 0        | 11         | 2    | 98      | 0.00              | 0.0            | 1.551             | 0.000     | 11         | 2            | 1  | 1    |
| 116874       | PL.664      | B   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.90                     | 0.85         | 0        | 13         | 2    | 99      | 0.00              | 0.0            | 1.551             | 0.000     | 13         | 2            | 1  | 1    |
| 116734       | PL.18250    | B   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.90                     | 0.89         | 0        | 13         | 2    | 99      | 0.00              | 0.0            | 1.501             | 0.000     | 13         | 2            | 1  | 1    |
| 116732       | PL.18250    | B   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.90                     | 0.81         | 0        | 12         | 2    | 99      | 0.00              | 0.0            | 1.501             | 0.000     | 12         | 2            | 1  | 1    |
| PL.9021      | PL.9020     | B   | 4ACSR              | 15.01Y    | 125.1        | 0.03            | 0.92                     | 7.67         | 4        | 114        | 17   | 99      | 0.02              | 0.0            | 1.608             | 0.159     | 0          | 0            | 0  | 12   |
| PL.614       | PL.9021     | B   | 4ACSR              | 15.01Y    | 125.1        | 0.00            | 0.93                     | 1.20         | 1        | 18         | 3    | 99      | 0.00              | 0.0            | 1.663             | 0.055     | 0          | 0            | 0  | 2    |
| 116736       | PL.614      | B   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.93                     | 0.94         | 0        | 14         | 2    | 99      | 0.00              | 0.0            | 1.663             | 0.000     | 14         | 2            | 1  | 1    |
| 116740       | PL.614      | B   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.93                     | 0.25         | 0        | 4          | 1    | 97      | 0.00              | 0.0            | 1.663             | 0.000     | 4          | 1            | 1  | 1    |
| 116737       | PL.9021     | B   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.92                     | 0.47         | 0        | 7          | 1    | 99      | 0.00              | 0.0            | 1.608             | 0.000     | 7          | 1            | 1  | 1    |
| 116731       | PL.9021     | B   | Consumer           | 15.01Y    | 125.1        | 0.00            | 0.92                     | 1.21         | 0        | 18         | 3    | 99      | 0.00              | 0.0            | 1.608             | 0.000     | 18         | 3            | 1  | 1    |
| PL.9022      | PL.9021     | B   | 4ACSR              | 15.01Y    | 125.1        | 0.01            | 0.94                     | 4.80         | 2        | 71         | 11   | 99      | 0.01              | 0.0            | 1.714             | 0.105     | 0          | 0            | 0  | 8    |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.9023, PL.728, PL.325, etc.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 116752, PL.9017, C Consumer, etc.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PL.9027, PL.9028, PL.9029, PL.9030, PL.9031, PL.8557, PL.37583, PD.6145-A, PD.6145-B, PL.37584, PD.3297, PL.17588, PL.27810, PL.27811, PL.19116, 116881, 116878, PL.19019, PL.19020, PL.9032.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss         | KW |            |              | KVAR |
| PL.17666     | PL.9032     | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.31                     | 7.22         | 4        | 107        | 15   | 99      | 0.00       | 0.0               | 2.497          | 0.023             | 0  | 0          | 0            | 12   |
| C PD.872     | PL.17666    | A   | fuse6AMP           | 14.96Y    | 124.7        | 0.00            | 1.31                     | 7.22         | 123      | 107        | 15   | 99      | 0.00       | 0.0               | 2.497          | 0.000             | 0  | 0          | 0            | 12 C |
| PL.17667     | PD.872      | A   | 4ACSR              | 14.96Y    | 124.7        | 0.01            | 1.32                     | 7.22         | 4        | 107        | 15   | 99      | 0.01       | 0.0               | 2.570          | 0.073             | 0  | 0          | 0            | 12   |
| PL.5426      | PL.17667    | A   | 4ACSR              | 14.96Y    | 124.7        | 0.01            | 1.33                     | 7.22         | 4        | 107        | 15   | 99      | 0.01       | 0.0               | 2.615          | 0.045             | 0  | 0          | 0            | 12   |
| 116895       | PL.5426     | A   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.33                     | 0.43         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.615          | 0.000             | 6  | 1          | 1            | 1    |
| PL.5427      | PL.5426     | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.33                     | 6.79         | 3        | 101        | 14   | 99      | 0.00       | 0.0               | 2.648          | 0.034             | 0  | 0          | 0            | 11   |
| 116891       | PL.5427     | A   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.33                     | 0.56         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 2.648          | 0.000             | 8  | 1          | 1            | 1    |
| PL.667       | PL.5427     | A   | 4ACSR              | 14.96Y    | 124.7        | 0.01            | 1.34                     | 5.71         | 3        | 85         | 12   | 99      | 0.00       | 0.0               | 2.703          | 0.055             | 0  | 0          | 0            | 9    |
| PL.668       | PL.667      | A   | 4ACSR              | 14.96Y    | 124.6        | 0.01            | 1.35                     | 5.71         | 3        | 85         | 12   | 99      | 0.01       | 0.0               | 2.811          | 0.108             | 0  | 0          | 0            | 9    |
| PL.755       | PL.668      | A   | 4ACSR              | 14.96Y    | 124.6        | 0.00            | 1.36                     | 5.71         | 3        | 85         | 12   | 99      | 0.00       | 0.0               | 2.836          | 0.024             | 0  | 0          | 0            | 9    |
| PL.756       | PL.755      | A   | 4ACSR              | 14.96Y    | 124.6        | 0.00            | 1.36                     | 0.29         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.894          | 0.058             | 0  | 0          | 0            | 1    |
| 117855       | PL.756      | A   | Consumer           | 14.96Y    | 124.6        | 0.00            | 1.36                     | 0.29         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.894          | 0.000             | 4  | 1          | 1            | 1    |
| PL.757       | PL.755      | A   | 4ACSR              | 14.96Y    | 124.6        | 0.00            | 1.36                     | 5.42         | 3        | 80         | 11   | 99      | 0.00       | 0.0               | 2.842          | 0.006             | 0  | 0          | 0            | 8    |
| PL.669       | PL.757      | A   | 4ACSR              | 14.96Y    | 124.6        | 0.01            | 1.37                     | 5.42         | 3        | 80         | 11   | 99      | 0.01       | 0.0               | 2.934          | 0.092             | 0  | 0          | 0            | 8    |
| PL.9036      | PL.669      | A   | 4ACSR              | 14.95Y    | 124.6        | 0.01            | 1.38                     | 4.96         | 3        | 74         | 10   | 99      | 0.00       | 0.0               | 3.013          | 0.079             | 0  | 0          | 0            | 7    |
| PL.36499     | PL.9036     | A   | 1/0EPRJCN          | 14.95Y    | 124.6        | 0.00            | 1.38                     | 1.14         | 1        | 17         | 2    | 99      | 0.00       | 0.0               | 3.060          | 0.047             | 0  | 0          | 0            | 1    |
| 1168110      | PL.36499    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.38                     | 1.15         | 0        | 17         | 3    | 98      | 0.00       | 0.0               | 3.060          | 0.000             | 17 | 3          | 1            | 1    |
| PL.688       | PL.9036     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.38                     | 1.02         | 1        | 15         | 2    | 99      | 0.00       | 0.0               | 3.099          | 0.086             | 0  | 0          | 0            | 2    |
| 116893       | PL.688      | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.38                     | 0.30         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.099          | 0.000             | 4  | 1          | 1            | 1    |
| 1168101      | PL.688      | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.38                     | 0.72         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 3.099          | 0.000             | 11 | 2          | 1            | 1    |
| PL.9037      | PL.9036     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.38                     | 2.80         | 1        | 41         | 6    | 99      | 0.00       | 0.0               | 3.058          | 0.045             | 0  | 0          | 0            | 4    |
| PL.23674     | PL.9037     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.38                     | 1.57         | 1        | 23         | 4    | 99      | 0.00       | 0.0               | 3.127          | 0.068             | 0  | 0          | 0            | 3    |
| PL.23673     | PL.23674    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.38                     | 0.73         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 3.201          | 0.075             | 0  | 0          | 0            | 2    |
| 116888       | PL.23673    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.38                     | 0.13         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.201          | 0.000             | 2  | 0          | 1            | 1    |
| 116887       | PL.23673    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.38                     | 0.60         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 3.201          | 0.000             | 9  | 1          | 1            | 1    |
| PL.698       | PL.23674    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.38                     | 0.84         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 3.188          | 0.061             | 0  | 0          | 0            | 1    |
| 1168102      | PL.698      | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.38                     | 0.84         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 3.188          | 0.000             | 12 | 2          | 1            | 1    |
| PL.277       | PL.9037     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.38                     | 1.23         | 1        | 18         | 3    | 99      | 0.00       | 0.0               | 3.175          | 0.117             | 0  | 0          | 0            | 1    |
| 1168106      | PL.277      | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.38                     | 1.23         | 0        | 18         | 3    | 99      | 0.00       | 0.0               | 3.175          | 0.000             | 18 | 3          | 1            | 1    |
| PL.687       | PL.669      | A   | 4ACSR              | 14.96Y    | 124.6        | 0.00            | 1.37                     | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.045          | 0.111             | 0  | 0          | 0            | 1    |
| 116892       | PL.687      | A   | Consumer           | 14.96Y    | 124.6        | 0.00            | 1.37                     | 0.45         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.045          | 0.000             | 7  | 1          | 1            | 1    |
| PL.9033      | PL.5427     | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.33                     | 0.53         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 2.666          | 0.018             | 0  | 0          | 0            | 1    |
| PL.9034      | PL.9033     | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.34                     | 0.53         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 2.683          | 0.016             | 0  | 0          | 0            | 1    |
| 116877       | PL.9034     | A   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.34                     | 0.53         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 2.683          | 0.000             | 8  | 1          | 1            | 1    |
| PL.9035      | PL.9034     | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.34                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.701          | 0.018             | 0  | 0          | 0            | 0    |
| PL.692       | PL.9033     | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.33                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.706          | 0.040             | 0  | 0          | 0            | 0    |
| 116894       | PL.692      | A   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.33                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.706          | 0.000             | 0  | 0          | 0            | 0    |



Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |            |            |      |     |      | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |              |  |  |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|------------|------------|------|-----|------|---------|------------|-----------|-------------------|----------------|-------------------|--------------|--|--|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap   | Thru<br>KW | KVAR | KW  | KVAR |         |            |           |                   |                | Cons<br>On        | Cons<br>Thru |  |  |
|              |             |     |                    |           |              |                 | -Base Voltage:120.0-     | Thru<br>%    | Thru<br>KW | KVAR       |      |     |      |         |            |           |                   |                |                   |              |  |  |
| PL.17664     | PL.9032     | A   | 1/0ACSR            | 14.96Y    | 124.7        | 0.00            | 1.31                     | 14.06        | 4          | 208        | 33   | 99  | 0.09 | 0.0     | 2.510      | 0.036     | 0                 | 0              | 0                 | 30           |  |  |
|              |             | B   |                    | 14.94Y    | 124.5        | 0.01            | 1.46                     | 33.06        | 10         | 488        | 75   | 99  |      |         |            |           | 0                 | 0              | 0                 | 50           |  |  |
|              |             | C   |                    | 14.92Y    | 124.4        | 0.01            | 1.63                     | 39.41        | 12         | 581        | 91   | 99  |      |         |            |           | 0                 | 0              | 0                 | 54           |  |  |
| PL.17665     | PL.17664    | A   | 1/0ACSR            | 14.96Y    | 124.7        | 0.00            | 1.31                     | 14.06        | 4          | 208        | 33   | 99  | 0.04 | 0.0     | 2.524      | 0.014     | 0                 | 0              | 0                 | 30           |  |  |
|              |             | B   |                    | 14.94Y    | 124.5        | 0.01            | 1.46                     | 33.06        | 10         | 488        | 75   | 99  |      |         |            |           | 0                 | 0              | 0                 | 50           |  |  |
|              |             | C   |                    | 14.92Y    | 124.4        | 0.00            | 1.63                     | 39.41        | 12         | 581        | 91   | 99  |      |         |            |           | 0                 | 0              | 0                 | 54           |  |  |
| PL.45471     | PL.17665    | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.31                     | 2.09         | 1          | 31         | 5    | 99  | 0.00 | 0.0     | 2.536      | 0.012     | 0                 | 0              | 0                 | 5            |  |  |
| PD.873       | PL.45471    | A   | fuse6AMP           | 14.96Y    | 124.7        | 0.00            | 1.31                     | 2.09         | 36         | 31         | 5    | 99  | 0.00 | 0.0     | 2.536      | 0.000     | 0                 | 0              | 0                 | 5            |  |  |
| PL.45472     | PD.873      | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.31                     | 2.09         | 1          | 31         | 5    | 99  | 0.00 | 0.0     | 2.608      | 0.072     | 0                 | 0              | 0                 | 5            |  |  |
| 117888       | PL.45472    | A   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.31                     | 0.03         | 0          | 1          | 0    | 100 | 0.00 | 0.0     | 2.608      | 0.000     | 1                 | 0              | 1                 | 1            |  |  |
| 117806       | PL.45472    | A   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.31                     | 0.11         | 0          | 2          | 0    | 100 | 0.00 | 0.0     | 2.608      | 0.000     | 2                 | 0              | 1                 | 1            |  |  |
| PL.762       | PL.45472    | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.32                     | 1.74         | 1          | 26         | 4    | 99  | 0.00 | 0.0     | 2.657      | 0.050     | 0                 | 0              | 0                 | 2            |  |  |
| 117897       | PL.762      | A   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.78         | 0          | 12         | 2    | 99  | 0.00 | 0.0     | 2.657      | 0.000     | 12                | 2              | 1                 | 1            |  |  |
| 117894       | PL.762      | A   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.96         | 0          | 14         | 2    | 99  | 0.00 | 0.0     | 2.657      | 0.000     | 14                | 2              | 1                 | 1            |  |  |
| PL.753       | PL.45472    | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.31                     | 0.21         | 0          | 3          | 0    | 100 | 0.00 | 0.0     | 2.658      | 0.051     | 0                 | 0              | 0                 | 1            |  |  |
| 117814       | PL.753      | A   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.31                     | 0.21         | 0          | 3          | 0    | 100 | 0.00 | 0.0     | 2.658      | 0.000     | 3                 | 0              | 1                 | 1            |  |  |
| PL.9038      | PL.17665    | A   | 1/0ACSR            | 14.96Y    | 124.7        | 0.00            | 1.31                     | 11.96        | 4          | 177        | 28   | 99  | 0.00 | 0.0     | 2.524      | 0.000     | 0                 | 0              | 0                 | 25           |  |  |
|              |             | B   |                    | 14.94Y    | 124.5        | 0.00            | 1.46                     | 32.88        | 10         | 486        | 75   | 99  |      |         |            |           | 0                 | 0              | 0                 | 49           |  |  |
|              |             | C   |                    | 14.92Y    | 124.4        | 0.00            | 1.63                     | 17.10        | 5          | 252        | 38   | 99  |      |         |            |           | 0                 | 0              | 0                 | 23           |  |  |
| PL.17668     | PL.9038     | A   | 1/0ACSR            | 14.96Y    | 124.7        | 0.00            | 1.31                     | 11.96        | 4          | 177        | 28   | 99  | 0.02 | 0.0     | 2.538      | 0.014     | 0                 | 0              | 0                 | 25           |  |  |
|              |             | B   |                    | 14.94Y    | 124.5        | 0.00            | 1.47                     | 32.88        | 10         | 486        | 75   | 99  |      |         |            |           | 0                 | 0              | 0                 | 49           |  |  |
|              |             | C   |                    | 14.92Y    | 124.4        | 0.00            | 1.63                     | 17.10        | 5          | 252        | 38   | 99  |      |         |            |           | 0                 | 0              | 0                 | 23           |  |  |
| PL.17669     | PL.17668    | A   | 1/0ACSR            | 14.96Y    | 124.7        | 0.01            | 1.32                     | 11.96        | 4          | 177        | 28   | 99  | 0.13 | 0.0     | 2.629      | 0.091     | 0                 | 0              | 0                 | 25           |  |  |
|              |             | B   |                    | 14.94Y    | 124.5        | 0.03            | 1.50                     | 32.88        | 10         | 486        | 75   | 99  |      |         |            |           | 0                 | 0              | 0                 | 49           |  |  |
|              |             | C   |                    | 14.92Y    | 124.4        | 0.00            | 1.64                     | 17.10        | 5          | 252        | 38   | 99  |      |         |            |           | 0                 | 0              | 0                 | 23           |  |  |
| PL.9049      | PL.17669    | A   | 1/0ACSR            | 14.96Y    | 124.7        | 0.01            | 1.33                     | 9.90         | 3          | 146        | 24   | 99  | 0.09 | 0.0     | 2.698      | 0.070     | 0                 | 0              | 0                 | 22           |  |  |
|              |             | B   |                    | 14.94Y    | 124.5        | 0.02            | 1.52                     | 32.88        | 10         | 485        | 75   | 99  |      |         |            |           | 0                 | 0              | 0                 | 49           |  |  |
|              |             | C   |                    | 14.92Y    | 124.4        | 0.00            | 1.64                     | 17.10        | 5          | 252        | 38   | 99  |      |         |            |           | 0                 | 0              | 0                 | 23           |  |  |
| 117859       | PL.9049     | B   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.52                     | 0.03         | 0          | 0          | 0    | 100 | 0.00 | 0.0     | 2.698      | 0.000     | 0                 | 0              | 1                 | 1            |  |  |
| PL.9050      | PL.9049     | A   | 1/0ACSR            | 14.96Y    | 124.7        | 0.02            | 1.35                     | 9.90         | 3          | 146        | 24   | 99  | 0.25 | 0.0     | 2.880      | 0.181     | 0                 | 0              | 0                 | 22           |  |  |
|              |             | B   |                    | 14.93Y    | 124.4        | 0.06            | 1.58                     | 32.85        | 10         | 485        | 75   | 99  |      |         |            |           | 0                 | 0              | 0                 | 48           |  |  |
|              |             | C   |                    | 14.92Y    | 124.3        | 0.01            | 1.65                     | 17.10        | 5          | 252        | 38   | 99  |      |         |            |           | 0                 | 0              | 0                 | 23           |  |  |
| PL.37613     | PL.9050     | B   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.59                     | 0.75         | 0          | 11         | 2    | 98  | 0.00 | 0.0     | 2.894      | 0.014     | 0                 | 0              | 0                 | 1            |  |  |
| PD.6157      | PL.37613    | B   | fuse6AMP           | 14.93Y    | 124.4        | 0.00            | 1.59                     | 0.75         | 13         | 11         | 2    | 98  | 0.00 | 0.0     | 2.894      | 0.000     | 0                 | 0              | 0                 | 1            |  |  |
| PL.37614     | PD.6157     | B   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.59                     | 0.75         | 0          | 11         | 2    | 98  | 0.00 | 0.0     | 2.933      | 0.039     | 0                 | 0              | 0                 | 1            |  |  |
| 117898       | PL.37614    | B   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.59                     | 0.75         | 0          | 11         | 2    | 98  | 0.00 | 0.0     | 2.933      | 0.000     | 11                | 2              | 1                 | 1            |  |  |
| 117808       | PL.9050     | B   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.58                     | 0.00         | 0          | 0          | 0    | 100 | 0.00 | 0.0     | 2.880      | 0.000     | 0                 | 0              | 1                 | 1            |  |  |
| PL.19264     | PL.9050     | A   | 1/0ACSR            | 14.96Y    | 124.6        | 0.01            | 1.35                     | 9.90         | 3          | 146        | 24   | 99  | 0.09 | 0.0     | 2.947      | 0.067     | 0                 | 0              | 0                 | 22           |  |  |
|              |             | B   |                    | 14.93Y    | 124.4        | 0.02            | 1.61                     | 32.11        | 10         | 474        | 73   | 99  |      |         |            |           | 0                 | 0              | 0                 | 46           |  |  |
|              |             | C   |                    | 14.92Y    | 124.3        | 0.00            | 1.66                     | 17.10        | 5          | 252        | 38   | 99  |      |         |            |           | 0                 | 0              | 0                 | 23           |  |  |
| PL.19600     | PL.19264    | A   | 1/0ACSR            | 14.96Y    | 124.6        | 0.00            | 1.36                     | 9.90         | 3          | 146        | 24   | 99  | 0.06 | 0.0     | 2.995      | 0.048     | 0                 | 0              | 0                 | 22           |  |  |
|              |             | B   |                    | 14.93Y    | 124.4        | 0.02            | 1.62                     | 32.11        | 10         | 474        | 73   | 99  |      |         |            |           | 0                 | 0              | 0                 | 46           |  |  |
|              |             | C   |                    | 14.92Y    | 124.3        | 0.00            | 1.66                     | 17.10        | 5          | 252        | 38   | 99  |      |         |            |           | 0                 | 0              | 0                 | 23           |  |  |
| 117823       | PL.19600    | B   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.62                     | 0.60         | 0          | 9          | 1    | 99  | 0.00 | 0.0     | 2.995      | 0.000     | 9                 | 1              | 1                 | 1            |  |  |
| PL.19601     | PL.19600    | A   | 1/0ACSR            | 14.96Y    | 124.6        | 0.01            | 1.37                     | 9.90         | 3          | 146        | 24   | 99  | 0.11 | 0.0     | 3.080      | 0.084     | 0                 | 0              | 0                 | 22           |  |  |
|              |             | B   |                    | 14.92Y    | 124.3        | 0.03            | 1.65                     | 31.51        | 10         | 465        | 71   | 99  |      |         |            |           | 0                 | 0              | 0                 | 45           |  |  |
|              |             | C   |                    | 14.92Y    | 124.3        | 0.00            | 1.66                     | 17.10        | 5          | 252        | 38   | 99  |      |         |            |           | 0                 | 0              | 0                 | 23           |  |  |
| PL.20734     | PL.19601    | A   | 4ACSR              | 14.96Y    | 124.6        | 0.00            | 1.37                     | 3.77         | 2          | 56         | 10   | 98  | 0.00 | 0.0     | 3.088      | 0.009     | 0                 | 0              | 0                 | 12           |  |  |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |               |              |          |            |      |         | mi<br>From<br>Src | -----Element----- |           | Cons<br>On | Cons<br>Thru |                |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|---------------|--------------|----------|------------|------|---------|-------------------|-------------------|-----------|------------|--------------|----------------|-----|
|              |             |     |                    |           |              |                 | -Base Voltage:120.0-     | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF |                   | kW<br>Loss        | %<br>Loss |            |              | Length<br>(mi) | KW  |
| PD.3076      | PL.20734    | A   | fuse6AMP           | 14.96Y    | 124.6        | 0.00            | 1.37                     | 3.77          | 64           | 56       | 10         | 98   | 0.00    | 0.0               | 3.088             | 0.000     | 0          | 0            | 0              | 12  |
| PL.28179     | PD.3076     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.01            | 1.38                     | 3.77          | 2            | 56       | 10         | 98   | 0.00    | 0.0               | 3.228             | 0.140     | 0          | 0            | 0              | 12  |
| PL.739       | PL.28179    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.38                     | 1.78          | 1            | 26       | 4          | 99   | 0.00    | 0.0               | 3.279             | 0.052     | 0          | 0            | 0              | 2   |
| PL.740       | PL.739      | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.38                     | 0.78          | 0            | 12       | 2          | 99   | 0.00    | 0.0               | 3.335             | 0.056     | 0          | 0            | 0              | 1   |
| 117821       | PL.740      | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.38                     | 0.78          | 0            | 12       | 2          | 99   | 0.00    | 0.0               | 3.335             | 0.000     | 12         | 2            | 1              | 1   |
| PL.741       | PL.739      | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.38                     | 1.00          | 1            | 15       | 2          | 99   | 0.00    | 0.0               | 3.370             | 0.090     | 0          | 0            | 0              | 1   |
| 117832       | PL.741      | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.38                     | 1.00          | 0            | 15       | 2          | 99   | 0.00    | 0.0               | 3.370             | 0.000     | 15         | 2            | 1              | 1   |
| PL.8879      | PL.28179    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.01            | 1.39                     | 2.00          | 1            | 29       | 6          | 98   | 0.00    | 0.0               | 3.441             | 0.213     | 0          | 0            | 0              | 10  |
| PL.742       | PL.8879     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.40          | 0            | 6        | -1         | -99  | 0.00    | 0.0               | 3.583             | 0.142     | 0          | 0            | 0              | 3   |
| PL.4747      | PL.742      | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.40          | 0            | 6        | -1         | -99  | 0.00    | 0.0               | 3.632             | 0.049     | 0          | 0            | 0              | 3   |
| 117902       | PL.4747     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.40          | 0            | 6        | 1          | 99   | 0.00    | 0.0               | 3.632             | 0.000     | 6          | 1            | 1              | 1   |
| P PL.4748    | PL.4747     | A   | 4ACSR              | 14.95Y    | 124.6        | -0.00           | 1.39                     | 0.12          | 0            | 0        | -2         | 0    | 0.00    | 0.0               | 3.724             | 0.092     | 0          | 0            | 0              | 2 P |
| P PL.39164   | PL.4748     | A   | 4ACSR              | 14.95Y    | 124.6        | -0.00           | 1.39                     | 0.12          | 0            | 0        | -2         | 0    | 0.00    | 0.0               | 3.835             | 0.111     | 0          | 0            | 0              | 2 P |
| PL.39165     | PL.39164    | A   | 4ACSR              | 14.95Y    | 124.6        | -0.00           | 1.39                     | 0.01          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 3.899             | 0.064     | 0          | 0            | 0              | 1   |
| 117910       | PL.39165    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.01          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 3.899             | 0.000     | 0          | 0            | 1              | 1   |
| PL.5462      | PL.39165    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 3.934             | 0.035     | 0          | 0            | 0              | 0   |
| PL.737       | PL.5462     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 3.979             | 0.045     | 0          | 0            | 0              | 0   |
| P PL.39163   | PL.39164    | A   | 1/0EPRJCN          | 14.95Y    | 124.6        | -0.00           | 1.39                     | 0.12          | 0            | 0        | -2         | 0    | 0.00    | 0.0               | 3.934             | 0.099     | 0          | 0            | 0              | 1 P |
| 1179018      | PL.39163    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 3.934             | 0.000     | 0          | 0            | 1              | 1   |
| PL.19258     | PL.8879     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.39                     | 1.62          | 1            | 23       | 7          | 96   | 0.00    | 0.0               | 3.512             | 0.072     | 0          | 0            | 0              | 7   |
| 117909       | PL.19258    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.93          | 0            | 14       | 2          | 99   | 0.00    | 0.0               | 3.512             | 0.000     | 14         | 2            | 1              | 1   |
| PL.19259     | PL.19258    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.71          | 0            | 10       | 5          | 89   | 0.00    | 0.0               | 3.543             | 0.031     | 0          | 0            | 0              | 6   |
| 117916       | PL.19259    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 3.543             | 0.000     | 0          | 0            | 0              | 0   |
| PL.8880      | PL.19259    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.71          | 0            | 10       | 5          | 89   | 0.00    | 0.0               | 3.559             | 0.015     | 0          | 0            | 0              | 6   |
| PL.763       | PL.8880     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.08          | 0            | 1        | 1          | 71   | 0.00    | 0.0               | 3.618             | 0.059     | 0          | 0            | 0              | 1   |
| 117915       | PL.763      | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.39                     | 0.08          | 0            | 1        | 1          | 71   | 0.00    | 0.0               | 3.618             | 0.000     | 1          | 1            | 1              | 1   |
| PL.8881      | PL.8880     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.63          | 0            | 8        | 4          | 89   | 0.00    | 0.0               | 3.847             | 0.289     | 0          | 0            | 0              | 5   |
| PL.19432     | PL.8881     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.29          | 0            | 4        | 2          | 89   | 0.00    | 0.0               | 3.906             | 0.059     | 0          | 0            | 0              | 3   |
| PL.19433     | PL.19432    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.29          | 0            | 4        | 2          | 89   | 0.00    | 0.0               | 3.972             | 0.066     | 0          | 0            | 0              | 3   |
| 117904       | PL.19433    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.01          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 3.972             | 0.000     | 0          | 0            | 1              | 1   |
| 117913       | PL.19433    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.11          | 0            | 1        | 1          | 71   | 0.00    | 0.0               | 3.972             | 0.000     | 1          | 1            | 1              | 1   |
| PL.4750      | PL.19433    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.17          | 0            | 2        | 1          | 89   | 0.00    | 0.0               | 4.159             | 0.187     | 0          | 0            | 0              | 1   |
| 117914       | PL.4750     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.17          | 0            | 2        | 1          | 89   | 0.00    | 0.0               | 4.159             | 0.000     | 2          | 1            | 1              | 1   |
| PL.5468      | PL.8881     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.34          | 0            | 5        | 2          | 93   | 0.00    | 0.0               | 3.942             | 0.094     | 0          | 0            | 0              | 2   |
| PL.39768     | PL.5468     | A   | 2ACSR              | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 4.004             | 0.063     | 0          | 0            | 0              | 0   |
| 1179019      | PL.39768    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 4.004             | 0.000     | 0          | 0            | 0              | 0   |
| PL.5469      | PL.5468     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.34          | 0            | 5        | 2          | 93   | 0.00    | 0.0               | 3.943             | 0.001     | 0          | 0            | 0              | 2   |
| PL.743       | PL.5469     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.40                     | 0.23          | 0            | 3        | 1          | 95   | 0.00    | 0.0               | 4.054             | 0.111     | 0          | 0            | 0              | 1   |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Length<br>(mi) | -----Element----- |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|---------------------|-------------------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                     | %<br>Loss         | KW |            |              | KVAR |
| 117911       | PL.743      | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40   | 0.23         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 4.054               | 0.000             | 3  | 1          | 1            | 1    |
| 117917       | PL.5469     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40   | 0.11         | 0        | 1          | 1    | 71      | 0.00       | 0.0               | 3.943               | 0.000             | 1  | 1          | 1            | 1    |
| 117809       | PL.19601    | B   | Consumer           | 14.92Y    | 124.3        | 0.00            | 1.65   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.080               | 0.000             | 0  | 0          | 0            | 0    |
| PL.27432     | PL.19601    | A   | 1/0ACSR            | 14.96Y    | 124.6        | 0.00            | 1.37   | 6.13         | 2        | 91         | 14   | 99      | 0.07       | 0.0               | 3.136               | 0.056             | 0  | 0          | 0            | 10   |
|              |             | B   |                    | 14.92Y    | 124.3        | 0.02            | 1.67   | 31.51        | 10       | 465        | 71   | 99      |            |                   | 0                   | 0                 | 0  | 0          | 45           |      |
|              |             | C   |                    | 14.92Y    | 124.3        | 0.00            | 1.66   | 17.10        | 5        | 252        | 38   | 99      |            |                   | 0                   | 0                 | 0  | 0          | 23           |      |
| PL.27433     | PL.27432    | A   | 1/0ACSR            | 14.95Y    | 124.6        | 0.01            | 1.38   | 6.13         | 2        | 91         | 14   | 99      | 0.19       | 0.0               | 3.285               | 0.149             | 0  | 0          | 0            | 10   |
|              |             | B   |                    | 14.91Y    | 124.3        | 0.05            | 1.72   | 31.51        | 10       | 465        | 71   | 99      |            |                   | 0                   | 0                 | 0  | 0          | 45           |      |
|              |             | C   |                    | 14.92Y    | 124.3        | 0.01            | 1.67   | 17.10        | 5        | 252        | 38   | 99      |            |                   | 0                   | 0                 | 0  | 0          | 23           |      |
| 117812       | PL.27433    | B   | Consumer           | 14.91Y    | 124.3        | 0.00            | 1.72   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.285               | 0.000             | 0  | 0          | 0            | 0    |
| 117816       | PL.27433    | B   | Consumer           | 14.91Y    | 124.3        | 0.00            | 1.72   | 0.33         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 3.285               | 0.000             | 5  | 1          | 1            | 1    |
| PL.17580     | PL.27433    | A   | 1/0ACSR            | 14.95Y    | 124.6        | 0.02            | 1.39   | 6.13         | 2        | 91         | 14   | 99      | 0.34       | 0.0               | 3.564               | 0.279             | 0  | 0          | 0            | 10   |
|              |             | B   |                    | 14.90Y    | 124.2        | 0.10            | 1.82   | 31.18        | 9        | 460        | 70   | 99      |            |                   | 0                   | 0                 | 0  | 0          | 44           |      |
|              |             | C   |                    | 14.92Y    | 124.3        | 0.01            | 1.68   | 17.10        | 5        | 252        | 38   | 99      |            |                   | 0                   | 0                 | 0  | 0          | 23           |      |
| OCD57        | PL.17580    | A   | fuse25AMP          | 14.95Y    | 124.6        | 0.00            | 1.39   | 6.13         | 25       | 91         | 14   | 99      | 0.00       | 0.0               | 3.564               | 0.000             | 0  | 0          | 0            | 10   |
| PL.36756     | OCD57       | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.39   | 6.13         | 3        | 91         | 14   | 99      | 0.00       | 0.0               | 3.572               | 0.007             | 0  | 0          | 0            | 10   |
| PL.36757     | PL.36756    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.01            | 1.41   | 6.13         | 3        | 91         | 14   | 99      | 0.01       | 0.0               | 3.658               | 0.086             | 0  | 0          | 0            | 10   |
| PL.17581     | PL.36757    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.41   | 2.12         | 1        | 31         | 5    | 99      | 0.00       | 0.0               | 3.659               | 0.001             | 0  | 0          | 0            | 4    |
| 117825       | PL.17581    | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41   | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.659               | 0.000             | 0  | 0          | 1            | 1    |
| PL.4755      | PL.17581    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.41   | 2.09         | 1        | 31         | 5    | 99      | 0.00       | 0.0               | 3.688               | 0.029             | 0  | 0          | 0            | 3    |
| PL.5466      | PL.4755     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.41   | 0.82         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 3.721               | 0.033             | 0  | 0          | 0            | 1    |
| PL.4752      | PL.5466     | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.41   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.722               | 0.001             | 0  | 0          | 0            | 0    |
| 117892       | PL.5466     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41   | 0.82         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 3.721               | 0.000             | 12 | 2          | 1            | 1    |
| 117881       | PL.4755     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41   | 0.48         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 3.688               | 0.000             | 7  | 1          | 1            | 1    |
| 117880       | PL.4755     | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.41   | 0.80         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 3.688               | 0.000             | 12 | 2          | 1            | 1    |
| PL.27425     | PL.36757    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.01            | 1.41   | 4.01         | 2        | 59         | 9    | 99      | 0.00       | 0.0               | 3.730               | 0.072             | 0  | 0          | 0            | 6    |
| PL.27426     | PL.27425    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.41   | 4.01         | 2        | 59         | 9    | 99      | 0.00       | 0.0               | 3.737               | 0.007             | 0  | 0          | 0            | 6    |
| PD.876-A     | PL.27426    | A   | Closed             | 14.95Y    | 124.6        | 0.00            | 1.41   | 4.01         | 0        | 59         | 9    | 99      | 0.00       | 0.0               | 3.737               | 0.000             | 0  | 0          | 0            | 6    |
| PD.876-B     | PD.876-A    | A   | Closed             | 14.95Y    | 124.6        | 0.00            | 1.41   | 4.01         | 0        | 59         | 9    | 99      | 0.00       | 0.0               | 3.737               | 0.000             | 0  | 0          | 0            | 6    |
| PL.27427     | PD.876-B    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.01            | 1.42   | 4.01         | 2        | 59         | 9    | 99      | 0.00       | 0.0               | 3.859               | 0.122             | 0  | 0          | 0            | 6    |
| PL.734       | PL.27427    | A   | 4ACSR              | 14.95Y    | 124.6        | 0.01            | 1.44   | 3.42         | 2        | 51         | 8    | 99      | 0.01       | 0.0               | 4.049               | 0.191             | 0  | 0          | 0            | 5    |
| PL.735       | PL.734      | A   | 4ACSR              | 14.95Y    | 124.6        | 0.01            | 1.44   | 3.42         | 2        | 51         | 8    | 99      | 0.00       | 0.0               | 4.144               | 0.094             | 0  | 0          | 0            | 5    |
| 118803       | PL.735      | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.44   | 0.89         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 4.144               | 0.000             | 13 | 2          | 1            | 1    |
| 118808       | PL.735      | A   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.44   | 0.85         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 4.144               | 0.000             | 13 | 2          | 1            | 1    |
| PL.5458      | PL.735      | A   | 4ACSR              | 14.95Y    | 124.5        | 0.01            | 1.45   | 1.68         | 1        | 25         | 4    | 99      | 0.00       | 0.0               | 4.426               | 0.282             | 0  | 0          | 0            | 3    |
| PL.5459      | PL.5458     | A   | 4ACSR              | 14.95Y    | 124.5        | 0.00            | 1.45   | 0.57         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.506               | 0.080             | 0  | 0          | 0            | 2    |
| 118804       | PL.5459     | A   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.45   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.506               | 0.000             | 0  | 0          | 1            | 1    |
| PL.736       | PL.5459     | A   | 4ACSR              | 14.95Y    | 124.5        | 0.00            | 1.46   | 0.57         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.603               | 0.098             | 0  | 0          | 0            | 1    |
| PL.760       | PL.736      | A   | 4ACSR              | 14.95Y    | 124.5        | 0.00            | 1.46   | 0.57         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.662               | 0.058             | 0  | 0          | 0            | 1    |
| 117863       | PL.760      | A   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.46   | 0.57         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 4.662               | 0.000             | 8  | 1          | 1            | 1    |
| 118807       | PL.5458     | A   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.45   | 1.12         | 0        | 17         | 2    | 99      | 0.00       | 0.0               | 4.426               | 0.000             | 17 | 2          | 1            | 1    |

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements like 118801, OCD56, PL.36758, etc.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 117887       | PL.29001    | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.76                     | 1.28         | 0        | 19         | 3    | 99      | 0.00       | 0.0               | 3.864                               | 0.000 | 19   | 3          | 1            | 1         |
| 117886       | PL.29001    | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.76                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.864                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.8653      | PL.36759    | C   | 4ACSR              | 14.91Y    | 124.3        | 0.00            | 1.75                     | 4.76         | 2        | 70         | 11   | 99      | 0.00       | 0.0               | 3.759                               | 0.027 | 0    | 0          | 0            | 7         |
| 117883       | PL.8653     | C   | Consumer           | 14.91Y    | 124.3        | 0.00            | 1.75                     | 0.72         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 3.759                               | 0.000 | 11   | 2          | 1            | 1         |
| PL.5467      | PL.8653     | C   | 4ACSR              | 14.91Y    | 124.2        | 0.01            | 1.76                     | 4.04         | 2        | 60         | 9    | 99      | 0.00       | 0.0               | 3.830                               | 0.071 | 0    | 0          | 0            | 6         |
| 117838       | PL.5467     | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.76                     | 0.29         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.830                               | 0.000 | 4    | 1          | 1            | 1         |
| 117822       | PL.5467     | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.76                     | 0.87         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 3.830                               | 0.000 | 13   | 2          | 1            | 1         |
| PL.5465      | PL.5467     | C   | 4ACSR              | 14.91Y    | 124.2        | 0.00            | 1.76                     | 1.73         | 1        | 26         | 4    | 99      | 0.00       | 0.0               | 3.855                               | 0.025 | 0    | 0          | 0            | 3         |
| PL.4746      | PL.5465     | C   | 4ACSR              | 14.91Y    | 124.2        | 0.00            | 1.76                     | 1.01         | 1        | 15         | 2    | 99      | 0.00       | 0.0               | 3.901                               | 0.045 | 0    | 0          | 0            | 2         |
| 117847       | PL.4746     | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.76                     | 0.68         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 3.901                               | 0.000 | 10   | 2          | 1            | 1         |
| 117845       | PL.4746     | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.76                     | 0.34         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 3.901                               | 0.000 | 5    | 1          | 1            | 1         |
| 117850       | PL.5465     | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.76                     | 0.72         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 3.855                               | 0.000 | 11   | 2          | 1            | 1         |
| PL.761       | PL.5467     | C   | 4ACSR              | 14.91Y    | 124.2        | 0.00            | 1.76                     | 1.14         | 1        | 17         | 3    | 98      | 0.00       | 0.0               | 3.885                               | 0.055 | 0    | 0          | 0            | 1         |
| 117889       | PL.761      | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.76                     | 1.14         | 0        | 17         | 3    | 98      | 0.00       | 0.0               | 3.885                               | 0.000 | 17   | 3          | 1            | 1         |
| PL.21665     | PL.17580    | A   | 1/0ACSR            | 14.95Y    | 124.6        | 0.01            | 1.40                     | 0.00         | 0        | 0          | 0    | 100     | 0.08       | 0.0               | 3.641                               | 0.077 | 0    | 0          | 0            | 0         |
|              |             | B   |                    | 14.90Y    | 124.2        | 0.03            | 1.84                     | 31.18        | 9        | 459        | 70   | 99      |            |                   |                                     |       | 0    | 0          | 0            | 44        |
|              |             | C   |                    | 14.92Y    | 124.3        | -0.01           | 1.67                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                                     |       | 0    | 0          | 0            | 0         |
| 117891       | PL.21665    | B   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.84                     | 1.13         | 0        | 17         | 3    | 98      | 0.00       | 0.0               | 3.641                               | 0.000 | 17   | 3          | 1            | 1         |
| 117874       | PL.21665    | B   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.84                     | 1.10         | 0        | 16         | 2    | 99      | 0.00       | 0.0               | 3.641                               | 0.000 | 16   | 2          | 1            | 1         |
| OCD55        | PL.21665    | B   | 50V4E              | 14.90Y    | 124.2        | 0.00            | 1.84                     | 28.94        | 0        | 426        | 65   | 99      | 0.00       | 0.0               | 3.641                               | 0.000 | 0    | 0          | 0            | 42        |
| PL.21867     | OCD55       | B   | 4ACSR              | 14.89Y    | 124.1        | 0.06            | 1.90                     | 28.94        | 15       | 426        | 65   | 99      | 0.18       | 0.0               | 3.731                               | 0.090 | 0    | 0          | 0            | 42        |
| PL.765       | PL.21867    | B   | 4ACSR              | 14.89Y    | 124.1        | 0.00            | 1.90                     | 0.64         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 3.827                               | 0.096 | 0    | 0          | 0            | 1         |
| 117899       | PL.765      | B   | Consumer           | 14.89Y    | 124.1        | 0.00            | 1.90                     | 0.64         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 3.827                               | 0.000 | 9    | 1          | 1            | 1         |
| PL.8558      | PL.21867    | B   | 4ACSR              | 14.89Y    | 124.0        | 0.06            | 1.96                     | 28.30        | 15       | 417        | 63   | 99      | 0.18       | 0.0               | 3.825                               | 0.094 | 0    | 0          | 0            | 41        |
| 117811       | PL.8558     | B   | Consumer           | 14.89Y    | 124.0        | 0.00            | 1.96                     | 0.27         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.825                               | 0.000 | 4    | 1          | 1            | 1         |
| PL.5460      | PL.8558     | B   | 4ACSR              | 14.87Y    | 123.9        | 0.17            | 2.12                     | 28.03        | 14       | 412        | 63   | 99      | 0.51       | 0.1               | 4.099                               | 0.274 | 0    | 0          | 0            | 40        |
| PL.8657      | PL.5460     | B   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.12                     | 28.03        | 14       | 412        | 62   | 99      | 0.01       | 0.0               | 4.103                               | 0.004 | 0    | 0          | 0            | 40        |
| PL.27430     | PL.8657     | B   | 4ACSR              | 14.86Y    | 123.9        | 0.00            | 2.13                     | 12.10        | 6        | 178        | 27   | 99      | 0.00       | 0.0               | 4.114                               | 0.011 | 0    | 0          | 0            | 17        |
| PD.62-A      | PL.27430    | B   | Closed             | 14.86Y    | 123.9        | 0.00            | 2.13                     | 12.10        | 0        | 178        | 27   | 99      | 0.00       | 0.0               | 4.114                               | 0.000 | 0    | 0          | 0            | 17        |
| PD.62-B      | PD.62-A     | B   | Closed             | 14.86Y    | 123.9        | 0.00            | 2.13                     | 12.10        | 0        | 178        | 27   | 99      | 0.00       | 0.0               | 4.114                               | 0.000 | 0    | 0          | 0            | 17        |
| PL.27431     | PD.62-B     | B   | 4ACSR              | 14.86Y    | 123.9        | 0.01            | 2.14                     | 12.10        | 6        | 178        | 27   | 99      | 0.01       | 0.0               | 4.153                               | 0.038 | 0    | 0          | 0            | 17        |
| PL.5433      | PL.27431    | B   | 4ACSR              | 14.86Y    | 123.8        | 0.03            | 2.17                     | 12.10        | 6        | 178        | 27   | 99      | 0.04       | 0.0               | 4.279                               | 0.126 | 0    | 0          | 0            | 17        |
| 118703       | PL.5433     | B   | Consumer           | 14.86Y    | 123.8        | 0.00            | 2.17                     | 1.04         | 0        | 15         | 2    | 99      | 0.00       | 0.0               | 4.279                               | 0.000 | 15   | 2          | 1            | 1         |
| PL.8872      | PL.5433     | B   | 4ACSR              | 14.86Y    | 123.8        | 0.03            | 2.20                     | 11.06        | 6        | 163        | 25   | 99      | 0.03       | 0.0               | 4.398                               | 0.119 | 0    | 0          | 0            | 16        |
| PL.8873      | PL.8872     | B   | 4ACSR              | 14.85Y    | 123.8        | 0.01            | 2.21                     | 9.10         | 5        | 134        | 20   | 99      | 0.02       | 0.0               | 4.474                               | 0.077 | 0    | 0          | 0            | 13        |
| PL.8874      | PL.8873     | B   | 4ACSR              | 14.85Y    | 123.8        | 0.01            | 2.22                     | 8.09         | 4        | 119        | 18   | 99      | 0.01       | 0.0               | 4.512                               | 0.038 | 0    | 0          | 0            | 12        |
| PL.8875      | PL.8874     | B   | 4ACSR              | 14.85Y    | 123.8        | 0.01            | 2.23                     | 6.52         | 3        | 96         | 14   | 99      | 0.01       | 0.0               | 4.574                               | 0.062 | 0    | 0          | 0            | 10        |
| PL.8876      | PL.8875     | B   | 4ACSR              | 14.85Y    | 123.8        | 0.00            | 2.23                     | 2.15         | 1        | 32         | 5    | 99      | 0.00       | 0.0               | 4.607                               | 0.033 | 0    | 0          | 0            | 4         |
| 118718       | PL.8876     | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.23                     | 0.61         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.607                               | 0.000 | 9    | 1          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.8877      | PL.8876     | B   | 4ACSR              | 14.85Y    | 123.8        | 0.00            | 2.23                     | 1.54         | 1        | 23         | 3       | 99         | 0.00      | 0.0               | 4.620                               | 0.013 | 0    | 0          | 0            | 3  |
| PL.8878      | PL.8877     | B   | 4ACSR              | 14.85Y    | 123.8        | 0.00            | 2.23                     | 0.92         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 4.686                               | 0.066 | 0    | 0          | 0            | 2  |
| 118711       | PL.8878     | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.23                     | 0.39         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.686                               | 0.000 | 6    | 1          | 1            | 1  |
| 118712       | PL.8878     | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.23                     | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 4.686                               | 0.000 | 8    | 1          | 1            | 1  |
| 118710       | PL.8877     | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.23                     | 0.62         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.620                               | 0.000 | 9    | 1          | 1            | 1  |
| PL.502       | PL.8875     | B   | 4ACSR              | 14.85Y    | 123.8        | 0.00            | 2.23                     | 2.20         | 1        | 32         | 5       | 99         | 0.00      | 0.0               | 4.607                               | 0.033 | 0    | 0          | 0            | 3  |
| 118716       | PL.502      | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.23                     | 0.87         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 4.607                               | 0.000 | 13   | 2          | 1            | 1  |
| 118713       | PL.502      | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.23                     | 0.68         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 4.607                               | 0.000 | 10   | 2          | 1            | 1  |
| 118715       | PL.502      | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.23                     | 0.64         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.607                               | 0.000 | 9    | 1          | 1            | 1  |
| 118714       | PL.8875     | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.23                     | 0.71         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 4.574                               | 0.000 | 10   | 2          | 1            | 1  |
| 118719       | PL.8875     | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.23                     | 0.88         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 4.574                               | 0.000 | 13   | 2          | 1            | 1  |
| 118717       | PL.8875     | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.23                     | 0.58         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 4.574                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.731       | PL.8874     | B   | 4ACSR              | 14.85Y    | 123.8        | 0.00            | 2.22                     | 0.27         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.585                               | 0.073 | 0    | 0          | 0            | 1  |
| 118709       | PL.731      | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.22                     | 0.27         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 4.585                               | 0.000 | 4    | 1          | 1            | 1  |
| PL.730       | PL.8874     | B   | 4ACSR              | 14.85Y    | 123.8        | 0.00            | 2.22                     | 1.30         | 1        | 19         | 3       | 99         | 0.00      | 0.0               | 4.568                               | 0.055 | 0    | 0          | 0            | 1  |
| 118708       | PL.730      | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.22                     | 1.30         | 0        | 19         | 3       | 99         | 0.00      | 0.0               | 4.568                               | 0.000 | 19   | 3          | 1            | 1  |
| 118707       | PL.8873     | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.21                     | 1.02         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 4.474                               | 0.000 | 15   | 2          | 1            | 1  |
| PL.5452      | PL.8872     | B   | 4ACSR              | 14.86Y    | 123.8        | 0.00            | 2.20                     | 1.96         | 1        | 29         | 4       | 99         | 0.00      | 0.0               | 4.442                               | 0.044 | 0    | 0          | 0            | 3  |
| PL.5453      | PL.5452     | B   | 4ACSR              | 14.86Y    | 123.8        | 0.00            | 2.20                     | 1.24         | 1        | 18         | 3       | 99         | 0.00      | 0.0               | 4.546                               | 0.105 | 0    | 0          | 0            | 2  |
| 118706       | PL.5453     | B   | Consumer           | 14.86Y    | 123.8        | 0.00            | 2.20                     | 0.92         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 4.546                               | 0.000 | 14   | 2          | 1            | 1  |
| 118702       | PL.5453     | B   | Consumer           | 14.86Y    | 123.8        | 0.00            | 2.20                     | 0.32         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.546                               | 0.000 | 5    | 1          | 1            | 1  |
| 118721       | PL.5452     | B   | Consumer           | 14.86Y    | 123.8        | 0.00            | 2.20                     | 0.72         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 4.442                               | 0.000 | 11   | 2          | 1            | 1  |
| PL.27428     | PL.8657     | B   | 4ACSR              | 14.86Y    | 123.9        | 0.00            | 2.13                     | 15.93        | 8        | 234        | 36      | 99         | 0.01      | 0.0               | 4.116                               | 0.013 | 0    | 0          | 0            | 23 |
| PD.61-A      | PL.27428    | B   | Closed             | 14.86Y    | 123.9        | 0.00            | 2.13                     | 15.93        | 0        | 234        | 36      | 99         | 0.00      | 0.0               | 4.116                               | 0.000 | 0    | 0          | 0            | 23 |
| PD.61-B      | PD.61-A     | B   | Closed             | 14.86Y    | 123.9        | 0.00            | 2.13                     | 15.93        | 0        | 234        | 36      | 99         | 0.00      | 0.0               | 4.116                               | 0.000 | 0    | 0          | 0            | 23 |
| PL.27429     | PD.61-B     | B   | 4ACSR              | 14.86Y    | 123.8        | 0.03            | 2.16                     | 15.93        | 8        | 234        | 36      | 99         | 0.06      | 0.0               | 4.209                               | 0.093 | 0    | 0          | 0            | 23 |
| PL.7788      | PL.27429    | B   | 4ACSR              | 14.85Y    | 123.8        | 0.06            | 2.22                     | 15.93        | 8        | 234        | 35      | 99         | 0.10      | 0.0               | 4.374                               | 0.165 | 0    | 0          | 0            | 23 |
| 658001       | PL.7788     | B   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.22                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.374                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.7789      | PL.7788     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.05            | 2.27                     | 15.93        | 8        | 234        | 35      | 99         | 0.10      | 0.0               | 4.534                               | 0.160 | 0    | 0          | 0            | 22 |
| PL.7790      | PL.7789     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.04            | 2.31                     | 14.94        | 8        | 219        | 33      | 99         | 0.06      | 0.0               | 4.645                               | 0.112 | 0    | 0          | 0            | 21 |
| 657802       | PL.7790     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.71         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 4.645                               | 0.000 | 10   | 2          | 1            | 1  |
| PL.24354     | PL.7790     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.749                               | 0.104 | 0    | 0          | 0            | 1  |
| 656701       | PL.24354    | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.749                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.8867      | PL.7790     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.31                     | 4.82         | 2        | 71         | 11      | 99         | 0.00      | 0.0               | 4.685                               | 0.040 | 0    | 0          | 0            | 7  |
| PL.8868      | PL.8867     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.31                     | 3.36         | 2        | 49         | 7       | 99         | 0.00      | 0.0               | 4.725                               | 0.040 | 0    | 0          | 0            | 5  |
| PL.21868     | PL.8868     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.32                     | 3.36         | 2        | 49         | 7       | 99         | 0.00      | 0.0               | 4.764                               | 0.039 | 0    | 0          | 0            | 5  |
| 658802       | PL.21868    | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.32                     | 0.66         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 4.764                               | 0.000 | 10   | 1          | 1            | 1  |
| 658803       | PL.21868    | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.32                     | 0.69         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 4.764                               | 0.000 | 10   | 2          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.21908     | PL.21868    | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.32                     | 2.01         | 1        | 29         | 4       | 99         | 0.00      | 0.0               | 4.804                               | 0.039 | 0    | 0          | 0            | 3  |
| PL.8869      | PL.21908    | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.32                     | 1.44         | 1        | 21         | 3       | 99         | 0.00      | 0.0               | 4.843                               | 0.040 | 0    | 0          | 0            | 2  |
| 659802       | PL.8869     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.32                     | 0.83         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 4.843                               | 0.000 | 12   | 2          | 1            | 1  |
| PL.7799      | PL.8869     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.32                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.876                               | 0.033 | 0    | 0          | 0            | 1  |
| PL.7798      | PL.7799     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.32                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.880                               | 0.003 | 0    | 0          | 0            | 1  |
| PL.8870      | PL.7798     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.32                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.933                               | 0.054 | 0    | 0          | 0            | 1  |
| PL.8871      | PL.8870     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.32                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.970                               | 0.037 | 0    | 0          | 0            | 0  |
| 118720       | PL.8870     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.32                     | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.933                               | 0.000 | 9    | 1          | 1            | 1  |
| 659801       | PL.21908    | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.32                     | 0.56         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 4.804                               | 0.000 | 8    | 1          | 1            | 1  |
| 657803       | PL.8867     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.63         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.685                               | 0.000 | 9    | 1          | 1            | 1  |
| 657801       | PL.8867     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.83         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 4.685                               | 0.000 | 12   | 2          | 1            | 1  |
| PL.27835     | PL.7790     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.01            | 2.31                     | 9.37         | 5        | 138        | 21      | 99         | 0.01      | 0.0               | 4.684                               | 0.039 | 0    | 0          | 0            | 12 |
| 656804       | PL.27835    | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.684                               | 0.000 | 9    | 1          | 1            | 1  |
| 656803       | PL.27835    | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.684                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.27836     | PL.27835    | B   | 4ACSR              | 14.84Y    | 123.7        | 0.01            | 2.32                     | 8.79         | 5        | 129        | 19      | 99         | 0.01      | 0.0               | 4.734                               | 0.050 | 0    | 0          | 0            | 11 |
| PL.7800      | PL.27836    | B   | 4ACSR              | 14.84Y    | 123.7        | 0.01            | 2.33                     | 8.79         | 5        | 129        | 19      | 99         | 0.01      | 0.0               | 4.774                               | 0.040 | 0    | 0          | 0            | 11 |
| PL.8658      | PL.7800     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.01            | 2.34                     | 7.17         | 4        | 105        | 16      | 99         | 0.01      | 0.0               | 4.815                               | 0.041 | 0    | 0          | 0            | 8  |
| PL.8659      | PL.8658     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.34                     | 6.49         | 3        | 95         | 14      | 99         | 0.00      | 0.0               | 4.849                               | 0.034 | 0    | 0          | 0            | 7  |
| 656703       | PL.8659     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.34                     | 0.70         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 4.849                               | 0.000 | 10   | 2          | 1            | 1  |
| PL.8660      | PL.8659     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.35                     | 5.79         | 3        | 85         | 13      | 99         | 0.00      | 0.0               | 4.889                               | 0.040 | 0    | 0          | 0            | 6  |
| 656705       | PL.8660     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.35                     | 0.68         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 4.889                               | 0.000 | 10   | 2          | 1            | 1  |
| PL.8861      | PL.8660     | B   | 4ACSR              | 14.84Y    | 123.6        | 0.01            | 2.35                     | 5.11         | 3        | 75         | 11      | 99         | 0.00      | 0.0               | 4.945                               | 0.056 | 0    | 0          | 0            | 5  |
| 656702       | PL.8861     | B   | Consumer           | 14.84Y    | 123.6        | 0.00            | 2.35                     | 0.89         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 4.945                               | 0.000 | 13   | 2          | 1            | 1  |
| PL.8862      | PL.8861     | B   | 4ACSR              | 14.84Y    | 123.6        | 0.00            | 2.36                     | 4.23         | 2        | 62         | 9       | 99         | 0.00      | 0.0               | 4.985                               | 0.039 | 0    | 0          | 0            | 4  |
| 657603       | PL.8862     | B   | Consumer           | 14.84Y    | 123.6        | 0.00            | 2.36                     | 0.73         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 4.985                               | 0.000 | 11   | 2          | 1            | 1  |
| PL.8863      | PL.8862     | B   | 4ACSR              | 14.84Y    | 123.6        | 0.00            | 2.36                     | 3.50         | 2        | 51         | 8       | 99         | 0.00      | 0.0               | 5.024                               | 0.039 | 0    | 0          | 0            | 3  |
| 657602       | PL.8863     | B   | Consumer           | 14.84Y    | 123.6        | 0.00            | 2.36                     | 0.95         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 5.024                               | 0.000 | 14   | 2          | 1            | 1  |
| PL.8864      | PL.8863     | B   | 4ACSR              | 14.84Y    | 123.6        | 0.00            | 2.36                     | 2.55         | 1        | 37         | 6       | 99         | 0.00      | 0.0               | 5.063                               | 0.039 | 0    | 0          | 0            | 2  |
| 6576004      | PL.8864     | B   | Consumer           | 14.84Y    | 123.6        | 0.00            | 2.36                     | 0.85         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 5.063                               | 0.000 | 13   | 2          | 1            | 1  |
| PL.8865      | PL.8864     | B   | 4ACSR              | 14.84Y    | 123.6        | 0.00            | 2.36                     | 1.70         | 1        | 25         | 4       | 99         | 0.00      | 0.0               | 5.102                               | 0.039 | 0    | 0          | 0            | 1  |
| PL.8866      | PL.8865     | B   | 4ACSR              | 14.84Y    | 123.6        | 0.00            | 2.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.163                               | 0.061 | 0    | 0          | 0            | 0  |
| 657601       | PL.8865     | B   | Consumer           | 14.84Y    | 123.6        | 0.00            | 2.36                     | 1.70         | 0        | 25         | 4       | 99         | 0.00      | 0.0               | 5.102                               | 0.000 | 25   | 4          | 1            | 1  |
| 656802       | PL.8658     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.34                     | 0.68         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 4.815                               | 0.000 | 10   | 1          | 1            | 1  |
| 655807       | PL.8658     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.34                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.815                               | 0.000 | 0    | 0          | 0            | 0  |
| 655804       | PL.7800     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.33                     | 0.38         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.774                               | 0.000 | 6    | 1          | 1            | 1  |
| 655805       | PL.7800     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.33                     | 0.48         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.774                               | 0.000 | 7    | 1          | 1            | 1  |
| 656801       | PL.7800     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.33                     | 0.76         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 4.774                               | 0.000 | 11   | 2          | 1            | 1  |
| 657901       | PL.7789     | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.99         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 4.534                               | 0.000 | 15   | 2          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR  | Cons<br>On | Cons<br>Thru |           |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-------------------|-------------------------------------|-------|-------|------------|--------------|-----------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss |                   |                                     |       |       |            |              | %<br>Loss |    |
| PL.19973     | PL.17669    | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.32                     | 2.06         | 1        | 30         | 5       | 99         | 0.00              | 0.0                                 | 2.678 | 0.049 | 0          | 0            | 0         | 3  |
| 117820       | PL.19973    | A   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.32                     | 0.50         | 0        | 7          | 1       | 99         | 0.00              | 0.0                                 | 2.678 | 0.000 | 7          | 1            | 1         | 1  |
| PL.19974     | PL.19973    | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.33                     | 1.56         | 1        | 23         | 3       | 99         | 0.00              | 0.0                                 | 2.799 | 0.121 | 0          | 0            | 0         | 2  |
| PL.754       | PL.19974    | A   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.33                     | 1.56         | 1        | 23         | 3       | 99         | 0.00              | 0.0                                 | 2.843 | 0.044 | 0          | 0            | 0         | 2  |
| 117834       | PL.754      | A   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.33                     | 1.20         | 0        | 18         | 3       | 99         | 0.00              | 0.0                                 | 2.843 | 0.000 | 18         | 3            | 1         | 1  |
| 117829       | PL.754      | A   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.33                     | 0.36         | 0        | 5          | 1       | 98         | 0.00              | 0.0                                 | 2.843 | 0.000 | 5          | 1            | 1         | 1  |
| PL.45473     | PL.17665    | C   | 4ACSR              | 14.92Y    | 124.4        | 0.01            | 1.64                     | 22.31        | 11       | 329        | 52      | 99         | 0.02              | 0.0                                 | 2.539 | 0.015 | 0          | 0            | 0         | 31 |
| PD.3301      | PL.45473    | C   | 35V4E              | 14.92Y    | 124.4        | 0.00            | 1.64                     | 22.31        | 64       | 329        | 52      | 99         | 0.00              | 0.0                                 | 2.539 | 0.000 | 0          | 0            | 0         | 31 |
| PL.45474     | PD.3301     | C   | 4ACSR              | 14.92Y    | 124.4        | 0.00            | 1.65                     | 22.31        | 11       | 329        | 52      | 99         | 0.01              | 0.0                                 | 2.548 | 0.010 | 0          | 0            | 0         | 31 |
| 117827       | PL.45474    | C   | Consumer           | 14.92Y    | 124.4        | 0.00            | 1.65                     | 0.63         | 0        | 9          | 1       | 99         | 0.00              | 0.0                                 | 2.548 | 0.000 | 9          | 1            | 1         | 1  |
| PL.19611     | PL.45474    | C   | 4ACSR              | 14.92Y    | 124.3        | 0.01            | 1.66                     | 21.68        | 11       | 320        | 51      | 99         | 0.03              | 0.0                                 | 2.579 | 0.031 | 0          | 0            | 0         | 30 |
| PL.19612     | PL.19611    | C   | 4ACSR              | 14.92Y    | 124.3        | 0.02            | 1.68                     | 21.02        | 11       | 310        | 49      | 99         | 0.04              | 0.0                                 | 2.621 | 0.042 | 0          | 0            | 0         | 28 |
| PL.17674     | PL.19612    | C   | 4ACSR              | 14.91Y    | 124.3        | 0.06            | 1.74                     | 19.85        | 10       | 292        | 46      | 99         | 0.14              | 0.0                                 | 2.769 | 0.147 | 0          | 0            | 0         | 26 |
| PL.17675     | PL.17674    | C   | 4ACSR              | 14.91Y    | 124.3        | 0.01            | 1.75                     | 19.85        | 10       | 292        | 46      | 99         | 0.01              | 0.0                                 | 2.781 | 0.013 | 0          | 0            | 0         | 26 |
| PL.45173     | PL.17675    | C   | 4ACSR              | 14.91Y    | 124.3        | 0.00            | 1.75                     | 2.06         | 1        | 30         | 5       | 99         | 0.00              | 0.0                                 | 2.806 | 0.025 | 0          | 0            | 0         | 4  |
| PD.875       | PL.45173    | C   | fuse6AMP           | 14.91Y    | 124.3        | 0.00            | 1.75                     | 2.06         | 35       | 30         | 5       | 99         | 0.00              | 0.0                                 | 2.806 | 0.000 | 0          | 0            | 0         | 4  |
| PL.45174     | PD.875      | C   | 4ACSR              | 14.91Y    | 124.2        | 0.01            | 1.76                     | 2.06         | 1        | 30         | 5       | 99         | 0.00              | 0.0                                 | 3.049 | 0.243 | 0          | 0            | 0         | 4  |
| PL.24353     | PL.45174    | C   | 4ACSR              | 14.91Y    | 124.2        | 0.00            | 1.76                     | 2.06         | 1        | 30         | 5       | 99         | 0.00              | 0.0                                 | 3.095 | 0.046 | 0          | 0            | 0         | 4  |
| PL.24352     | PL.24353    | C   | 4ACSR              | 14.91Y    | 124.2        | 0.00            | 1.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.157 | 0.062 | 0          | 0            | 0         | 1  |
| 654001       | PL.24352    | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.157 | 0.000 | 0          | 0            | 1         | 1  |
| PL.24351     | PL.24353    | C   | 4ACSR              | 14.91Y    | 124.2        | 0.01            | 1.77                     | 2.05         | 1        | 30         | 5       | 99         | 0.00              | 0.0                                 | 3.382 | 0.287 | 0          | 0            | 0         | 3  |
| PL.7792      | PL.24351    | C   | 4ACSR              | 14.91Y    | 124.2        | 0.00            | 1.78                     | 1.90         | 1        | 28         | 4       | 99         | 0.00              | 0.0                                 | 3.416 | 0.033 | 0          | 0            | 0         | 2  |
| 655802       | PL.7792     | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.78                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.416 | 0.000 | 0          | 0            | 0         | 0  |
| PL.19213     | PL.7792     | C   | 4ACSR              | 14.91Y    | 124.2        | 0.00            | 1.78                     | 1.90         | 1        | 28         | 4       | 99         | 0.00              | 0.0                                 | 3.527 | 0.111 | 0          | 0            | 0         | 2  |
| 655701       | PL.19213    | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.78                     | 1.08         | 0        | 16         | 2       | 99         | 0.00              | 0.0                                 | 3.527 | 0.000 | 16         | 2            | 1         | 1  |
| PL.19212     | PL.19213    | C   | 4ACSR              | 14.91Y    | 124.2        | 0.00            | 1.78                     | 0.82         | 0        | 12         | 2       | 99         | 0.00              | 0.0                                 | 3.668 | 0.141 | 0          | 0            | 0         | 1  |
| 655501       | PL.19212    | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.78                     | 0.82         | 0        | 12         | 2       | 99         | 0.00              | 0.0                                 | 3.668 | 0.000 | 12         | 2            | 1         | 1  |
| 655806       | PL.24351    | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.77                     | 0.15         | 0        | 2          | 0       | 100        | 0.00              | 0.0                                 | 3.382 | 0.000 | 2          | 0            | 1         | 1  |
| 117802       | PL.17675    | C   | Consumer           | 14.91Y    | 124.3        | 0.00            | 1.75                     | 0.86         | 0        | 13         | 2       | 99         | 0.00              | 0.0                                 | 2.781 | 0.000 | 13         | 2            | 1         | 1  |
| PL.17672     | PL.17675    | C   | 4ACSR              | 14.91Y    | 124.2        | 0.01            | 1.75                     | 16.93        | 9        | 249        | 40      | 99         | 0.01              | 0.0                                 | 2.798 | 0.016 | 0          | 0            | 0         | 21 |
| PL.45469     | PL.17672    | C   | 4ACSR              | 14.91Y    | 124.2        | 0.00            | 1.75                     | 16.93        | 9        | 249        | 40      | 99         | 0.00              | 0.0                                 | 2.800 | 0.003 | 0          | 0            | 0         | 21 |
| PD.63-A      | PL.45469    | C   | Closed             | 14.91Y    | 124.2        | 0.00            | 1.75                     | 16.93        | 0        | 249        | 40      | 99         | 0.00              | 0.0                                 | 2.800 | 0.000 | 0          | 0            | 0         | 21 |
| PD.63-B      | PD.63-A     | C   | Closed             | 14.91Y    | 124.2        | 0.00            | 1.75                     | 16.93        | 0        | 249        | 40      | 99         | 0.00              | 0.0                                 | 2.800 | 0.000 | 0          | 0            | 0         | 21 |
| PL.45470     | PD.63-B     | C   | 4ACSR              | 14.91Y    | 124.2        | 0.02            | 1.77                     | 16.93        | 9        | 249        | 40      | 99         | 0.03              | 0.0                                 | 2.847 | 0.047 | 0          | 0            | 0         | 21 |
| PL.9039      | PL.45470    | C   | 4ACSR              | 14.90Y    | 124.2        | 0.04            | 1.81                     | 16.80        | 9        | 247        | 40      | 99         | 0.07              | 0.0                                 | 2.945 | 0.097 | 0          | 0            | 0         | 19 |
| PL.9040      | PL.9039     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.81                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 2.946 | 0.002 | 0          | 0            | 0         | 0  |
| 117805       | PL.9040     | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.81                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 2.946 | 0.000 | 0          | 0            | 0         | 0  |
| 117842       | PL.9040     | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.81                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 2.946 | 0.000 | 0          | 0            | 0         | 0  |



Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR  | Cons<br>On | Cons<br>Thru |           |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-------------------|-------------------------------------|-------|-------|------------|--------------|-----------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss |                   |                                     |       |       |            |              | %<br>Loss |    |
| PL.9041      | PL.9039     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.01            | 1.82                     | 11.74        | 6        | 173        | 26      | 99         | 0.02              | 0.0                                 | 2.992 | 0.047 | 0          | 0            | 0         | 12 |
| 117815       | PL.9041     | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.82                     | 1.11         | 0        | 16         | 2       | 99         | 0.00              | 0.0                                 | 2.992 | 0.000 | 16         | 2            | 1         | 1  |
| PL.749       | PL.9041     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.01            | 1.83                     | 10.63        | 5        | 157        | 24      | 99         | 0.01              | 0.0                                 | 3.046 | 0.054 | 0          | 0            | 0         | 11 |
| PL.9042      | PL.749      | C   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.83                     | 0.94         | 0        | 14         | 2       | 99         | 0.00              | 0.0                                 | 3.096 | 0.050 | 0          | 0            | 0         | 1  |
| PL.748       | PL.9042     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.83                     | 0.94         | 0        | 14         | 2       | 99         | 0.00              | 0.0                                 | 3.145 | 0.049 | 0          | 0            | 0         | 1  |
| 117840       | PL.748      | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.83                     | 0.94         | 0        | 14         | 2       | 99         | 0.00              | 0.0                                 | 3.145 | 0.000 | 14         | 2            | 1         | 1  |
| 117841       | PL.748      | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.83                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.145 | 0.000 | 0          | 0            | 0         | 0  |
| PL.747       | PL.749      | C   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.83                     | 2.08         | 1        | 31         | 5       | 99         | 0.00              | 0.0                                 | 3.101 | 0.055 | 0          | 0            | 0         | 2  |
| 117844       | PL.747      | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.83                     | 1.35         | 0        | 20         | 3       | 99         | 0.00              | 0.0                                 | 3.101 | 0.000 | 20         | 3            | 1         | 1  |
| 117851       | PL.747      | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.83                     | 0.73         | 0        | 11         | 2       | 98         | 0.00              | 0.0                                 | 3.101 | 0.000 | 11         | 2            | 1         | 1  |
| PL.9043      | PL.749      | C   | 4ACSR              | 14.90Y    | 124.2        | 0.01            | 1.84                     | 7.61         | 4        | 112        | 17      | 99         | 0.01              | 0.0                                 | 3.087 | 0.041 | 0          | 0            | 0         | 8  |
| PL.746       | PL.9043     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.84                     | 0.79         | 0        | 12         | 2       | 99         | 0.00              | 0.0                                 | 3.142 | 0.055 | 0          | 0            | 0         | 1  |
| 117848       | PL.746      | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.84                     | 0.79         | 0        | 12         | 2       | 99         | 0.00              | 0.0                                 | 3.142 | 0.000 | 12         | 2            | 1         | 1  |
| PL.9044      | PL.9043     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.84                     | 6.82         | 4        | 100        | 15      | 99         | 0.00              | 0.0                                 | 3.106 | 0.020 | 0          | 0            | 0         | 7  |
| PL.9045      | PL.9044     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.84                     | 3.54         | 2        | 52         | 8       | 99         | 0.00              | 0.0                                 | 3.122 | 0.016 | 0          | 0            | 0         | 3  |
| PL.4749      | PL.9045     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.84                     | 2.75         | 1        | 41         | 6       | 99         | 0.00              | 0.0                                 | 3.166 | 0.045 | 0          | 0            | 0         | 2  |
| 117843       | PL.4749     | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.84                     | 1.34         | 0        | 20         | 3       | 99         | 0.00              | 0.0                                 | 3.166 | 0.000 | 20         | 3            | 1         | 1  |
| 117853       | PL.4749     | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.84                     | 1.42         | 0        | 21         | 3       | 99         | 0.00              | 0.0                                 | 3.166 | 0.000 | 21         | 3            | 1         | 1  |
| 117854       | PL.9045     | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.84                     | 0.79         | 0        | 12         | 2       | 99         | 0.00              | 0.0                                 | 3.122 | 0.000 | 12         | 2            | 1         | 1  |
| PL.750       | PL.9044     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.01            | 1.85                     | 3.27         | 2        | 48         | 7       | 99         | 0.00              | 0.0                                 | 3.221 | 0.115 | 0          | 0            | 0         | 4  |
| 117861       | PL.750      | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.85                     | 0.00         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.221 | 0.000 | 0          | 0            | 1         | 1  |
| 117857       | PL.750      | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.85                     | 1.53         | 0        | 22         | 3       | 99         | 0.00              | 0.0                                 | 3.221 | 0.000 | 22         | 3            | 1         | 1  |
| PL.758       | PL.750      | C   | 4ACSR              | 14.90Y    | 124.1        | 0.00            | 1.85                     | 1.75         | 1        | 26         | 4       | 99         | 0.00              | 0.0                                 | 3.259 | 0.038 | 0          | 0            | 0         | 2  |
| 117860       | PL.758      | C   | Consumer           | 14.90Y    | 124.1        | 0.00            | 1.85                     | 0.94         | 0        | 14         | 2       | 99         | 0.00              | 0.0                                 | 3.259 | 0.000 | 14         | 2            | 1         | 1  |
| 1178100      | PL.758      | C   | Consumer           | 14.90Y    | 124.1        | 0.00            | 1.85                     | 0.80         | 0        | 12         | 2       | 99         | 0.00              | 0.0                                 | 3.259 | 0.000 | 12         | 2            | 1         | 1  |
| PL.9046      | PL.9039     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.01            | 1.82                     | 4.14         | 2        | 61         | 11      | 98         | 0.01              | 0.0                                 | 3.074 | 0.130 | 0          | 0            | 0         | 6  |
| PL.9047      | PL.9046     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.82                     | 1.85         | 1        | 27         | 6       | 98         | 0.00              | 0.0                                 | 3.148 | 0.073 | 0          | 0            | 0         | 4  |
| PL.9048      | PL.9047     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.82                     | 0.61         | 0        | 9          | 1       | 99         | 0.00              | 0.0                                 | 3.349 | 0.201 | 0          | 0            | 0         | 1  |
| 117833       | PL.9048     | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.82                     | 0.61         | 0        | 9          | 1       | 99         | 0.00              | 0.0                                 | 3.349 | 0.000 | 9          | 1            | 1         | 1  |
| PL.738       | PL.9047     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.82                     | 1.22         | 1        | 18         | 5       | 96         | 0.00              | 0.0                                 | 3.236 | 0.088 | 0          | 0            | 0         | 2  |
| 117831       | PL.738      | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.82                     | 0.49         | 0        | 7          | 3       | 92         | 0.00              | 0.0                                 | 3.236 | 0.000 | 7          | 3            | 1         | 1  |
| 117826       | PL.738      | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.82                     | 0.74         | 0        | 11         | 2       | 98         | 0.00              | 0.0                                 | 3.236 | 0.000 | 11         | 2            | 1         | 1  |
| 117801       | PL.9047     | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.82                     | 0.03         | 0        | 0          | 0       | 100        | 0.00              | 0.0                                 | 3.148 | 0.000 | 0          | 0            | 1         | 1  |
| PL.5463      | PL.9046     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.82                     | 2.30         | 1        | 34         | 5       | 99         | 0.00              | 0.0                                 | 3.165 | 0.091 | 0          | 0            | 0         | 2  |
| PL.5464      | PL.5463     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.82                     | 1.08         | 1        | 16         | 2       | 99         | 0.00              | 0.0                                 | 3.219 | 0.054 | 0          | 0            | 0         | 1  |
| 117828       | PL.5464     | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.82                     | 1.08         | 0        | 16         | 2       | 99         | 0.00              | 0.0                                 | 3.219 | 0.000 | 16         | 2            | 1         | 1  |
| 117837       | PL.5463     | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.82                     | 1.21         | 0        | 18         | 3       | 99         | 0.00              | 0.0                                 | 3.165 | 0.000 | 18         | 3            | 1         | 1  |
| PL.759       | PL.9039     | C   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.81                     | 0.92         | 0        | 14         | 2       | 99         | 0.00              | 0.0                                 | 2.993 | 0.049 | 0          | 0            | 0         | 1  |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 117862       | PL.759      | C   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.81   | 0.92         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 2.993                               | 0.000 | 14   | 2          | 1            | 1         |
| 1178105      | PL.45470    | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.77   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.847                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.745       | PL.45470    | C   | 4ACSR              | 14.91Y    | 124.2        | 0.00            | 1.77   | 0.13         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.880                               | 0.033 | 0    | 0          | 0            | 2         |
| 117896       | PL.745      | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.77   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.880                               | 0.000 | 0    | 0          | 1            | 1         |
| 117804       | PL.745      | C   | Consumer           | 14.91Y    | 124.2        | 0.00            | 1.77   | 0.13         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.880                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.17670     | PL.19612    | C   | 4ACSR              | 14.92Y    | 124.3        | 0.00            | 1.68   | 0.44         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.638                               | 0.017 | 0    | 0          | 0            | 1         |
| PD.874       | PL.17670    | C   | fuse6AMP           | 14.92Y    | 124.3        | 0.00            | 1.68   | 0.44         | 7        | 6          | 1    | 99      | 0.00       | 0.0               | 2.638                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.17671     | PD.874      | C   | 4ACSR              | 14.92Y    | 124.3        | 0.00            | 1.68   | 0.44         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.685                               | 0.047 | 0    | 0          | 0            | 1         |
| PL.751       | PL.17671    | C   | 4ACSR              | 14.92Y    | 124.3        | 0.00            | 1.68   | 0.44         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.764                               | 0.079 | 0    | 0          | 0            | 1         |
| 117858       | PL.751      | C   | Consumer           | 14.92Y    | 124.3        | 0.00            | 1.68   | 0.44         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.764                               | 0.000 | 6    | 1          | 1            | 1         |
| 117830       | PL.19612    | C   | Consumer           | 14.92Y    | 124.3        | 0.00            | 1.68   | 0.73         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 2.621                               | 0.000 | 11   | 2          | 1            | 1         |
| 117813       | PL.19611    | C   | Consumer           | 14.92Y    | 124.3        | 0.00            | 1.66   | 0.17         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.579                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.32743     | PL.19611    | C   | 4ACSR              | 14.92Y    | 124.3        | 0.00            | 1.66   | 0.50         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.605                               | 0.026 | 0    | 0          | 0            | 1         |
| 1178101      | PL.32743    | C   | Consumer           | 14.92Y    | 124.3        | 0.00            | 1.66   | 0.50         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.605                               | 0.000 | 7    | 1          | 1            | 1         |
| 117818       | PL.17665    | B   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.46   | 0.18         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.524                               | 0.000 | 3    | 0          | 1            | 1         |
| 116835       | PL.19019    | B   | Consumer           | 14.95Y    | 124.6        | 0.00            | 1.40   | 1.12         | 0        | 17         | 3    | 98      | 0.00       | 0.0               | 2.325                               | 0.000 | 17   | 3          | 1            | 1         |
| 116823       | PL.27811    | B   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.34   | 0.46         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.182                               | 0.000 | 7    | 1          | 1            | 1         |
| 116879       | PL.27810    | B   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.33   | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.155                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.18662     | PL.17588    | B   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.32   | 0.92         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 2.148                               | 0.021 | 0    | 0          | 0            | 1         |
| PD.867       | PL.18662    | B   | fuse6AMP           | 14.96Y    | 124.7        | 0.00            | 1.32   | 0.92         | 16       | 14         | 2    | 99      | 0.00       | 0.0               | 2.148                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.18663     | PD.867      | B   | 4ACSR              | 14.96Y    | 124.7        | 0.00            | 1.32   | 0.92         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 2.224                               | 0.077 | 0    | 0          | 0            | 1         |
| 116880       | PL.18663    | B   | Consumer           | 14.96Y    | 124.7        | 0.00            | 1.32   | 0.92         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 2.224                               | 0.000 | 14   | 2          | 1            | 1         |
| PL.5402      | PL.8557     | A   | 1/0ACSR            | 14.97Y    | 124.8        | 0.03            | 1.24   | 71.17        | 22       | 1051       | 179  | 99      | 0.44       | 0.0               | 1.695                               | 0.052 | 0    | 0          | 0            | 152       |
|              |             | B   |                    | 14.98Y    | 124.8        | 0.01            | 1.15   | 46.47        | 14       | 688        | 109  | 99      |            |                   |                                     |       | 0    | 0          | 0            | 78        |
|              |             | C   |                    | 14.95Y    | 124.6        | 0.02            | 1.40   | 50.20        | 15       | 742        | 115  | 99      |            |                   |                                     |       | 0    | 0          | 0            | 103       |
| PL.5403      | PL.5402     | A   | 1/0ACSR            | 14.97Y    | 124.7        | 0.05            | 1.29   | 71.17        | 22       | 1051       | 178  | 99      | 0.63       | 0.0               | 1.769                               | 0.074 | 0    | 0          | 0            | 152       |
|              |             | B   |                    | 14.98Y    | 124.8        | 0.02            | 1.17   | 46.37        | 14       | 686        | 108  | 99      |            |                   |                                     |       | 0    | 0          | 0            | 77        |
|              |             | C   |                    | 14.95Y    | 124.6        | 0.03            | 1.43   | 50.20        | 15       | 742        | 115  | 99      |            |                   |                                     |       | 0    | 0          | 0            | 103       |
| PL.37591     | PL.5403     | C   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.43   | 18.58        | 10       | 274        | 43   | 99      | 0.00       | 0.0               | 1.772                               | 0.002 | 0    | 0          | 0            | 38        |
| PD.6151-A    | PL.37591    | C   | Closed             | 14.95Y    | 124.6        | 0.00            | 1.43   | 18.58        | 0        | 274        | 43   | 99      | 0.00       | 0.0               | 1.772                               | 0.000 | 0    | 0          | 0            | 38        |
| PD.6151-B    | PD.6151-A   | C   | Closed             | 14.95Y    | 124.6        | 0.00            | 1.43   | 18.58        | 0        | 274        | 43   | 99      | 0.00       | 0.0               | 1.772                               | 0.000 | 0    | 0          | 0            | 38        |
| PL.37592     | PD.6151-B   | C   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.43   | 18.58        | 10       | 274        | 43   | 99      | 0.00       | 0.0               | 1.777                               | 0.006 | 0    | 0          | 0            | 38        |
| PL.37586     | PL.37592    | C   | 4ACSR              | 14.95Y    | 124.6        | 0.00            | 1.44   | 18.58        | 10       | 274        | 43   | 99      | 0.01       | 0.0               | 1.786                               | 0.009 | 0    | 0          | 0            | 38        |
| PL.5405      | PL.37586    | C   | 4ACSR              | 14.95Y    | 124.5        | 0.02            | 1.46   | 18.29        | 9        | 270        | 42   | 99      | 0.04       | 0.0               | 1.836                               | 0.050 | 0    | 0          | 0            | 35        |
| 116829       | PL.5405     | C   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.46   | 0.32         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.836                               | 0.000 | 5    | 1          | 1            | 1         |
| 116831       | PL.5405     | C   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.46   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.836                               | 0.000 | 0    | 0          | 0            | 0         |
| 116839       | PL.5405     | C   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.46   | 0.20         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.836                               | 0.000 | 3    | 0          | 1            | 1         |
| 116867       | PL.5405     | C   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.46   | 1.29         | 0        | 19         | 3    | 99      | 0.00       | 0.0               | 1.836                               | 0.000 | 19   | 3          | 1            | 1         |
| 116834       | PL.5405     | C   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.46   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.836                               | 0.000 | 0    | 0          | 0            | 0         |
| 116842       | PL.5405     | C   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.46   | 0.21         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.836                               | 0.000 | 3    | 0          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 116841       | PL.5405     | C   | Consumer           | 14.95Y    | 124.5        | 0.00            | 1.46   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.836                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.5410      | PL.5405     | C   | 4ACSR              | 14.94Y    | 124.5        | 0.03            | 1.49   | 16.26        | 8        | 240        | 37   | 99      | 0.06       | 0.0               | 1.928                               | 0.092 | 0    | 0          | 0            | 31        |
| PL.17589     | PL.5410     | C   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.49   | 13.51        | 7        | 199        | 31   | 99      | 0.00       | 0.0               | 1.937                               | 0.008 | 0    | 0          | 0            | 30        |
| PD.3295      | PL.17589    | C   | 35L                | 14.94Y    | 124.5        | 0.00            | 1.49   | 13.51        | 39       | 199        | 31   | 99      | 0.00       | 0.0               | 1.937                               | 0.000 | 0    | 0          | 0            | 30        |
| PL.17590     | PD.3295     | C   | 4ACSR              | 14.94Y    | 124.5        | 0.04            | 1.53   | 13.51        | 7        | 199        | 31   | 99      | 0.06       | 0.0               | 2.063                               | 0.126 | 0    | 0          | 0            | 30        |
| PL.37597     | PL.17590    | C   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.53   | 7.70         | 4        | 114        | 18   | 99      | 0.00       | 0.0               | 2.067                               | 0.005 | 0    | 0          | 0            | 17        |
| PD.6154-A    | PL.37597    | C   | Closed             | 14.94Y    | 124.5        | 0.00            | 1.53   | 7.70         | 0        | 114        | 18   | 99      | 0.00       | 0.0               | 2.067                               | 0.000 | 0    | 0          | 0            | 17        |
| PD.6154-B    | PD.6154-A   | C   | Closed             | 14.94Y    | 124.5        | 0.00            | 1.53   | 7.70         | 0        | 114        | 18   | 99      | 0.00       | 0.0               | 2.067                               | 0.000 | 0    | 0          | 0            | 17        |
| PL.37598     | PD.6154-B   | C   | 4ACSR              | 14.93Y    | 124.5        | 0.01            | 1.54   | 7.70         | 4        | 114        | 18   | 99      | 0.01       | 0.0               | 2.152                               | 0.084 | 0    | 0          | 0            | 17        |
| PL.5419      | PL.37598    | C   | 4ACSR              | 14.93Y    | 124.4        | 0.01            | 1.56   | 3.58         | 2        | 53         | 8    | 99      | 0.00       | 0.0               | 2.296                               | 0.144 | 0    | 0          | 0            | 6         |
| 115806       | PL.5419     | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.46         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.296                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.5420      | PL.5419     | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.56   | 3.12         | 2        | 46         | 7    | 99      | 0.00       | 0.0               | 2.359                               | 0.064 | 0    | 0          | 0            | 5         |
| PL.672       | PL.5420     | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.31         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.491                               | 0.132 | 0    | 0          | 0            | 1         |
| 115807       | PL.672      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.31         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 2.491                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.670       | PL.5420     | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.47         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.440                               | 0.080 | 0    | 0          | 0            | 1         |
| 115839       | PL.670      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.47         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.440                               | 0.000 | 7    | 1          | 1            | 1         |
| PL.671       | PL.5420     | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.56   | 1.51         | 1        | 22         | 3    | 99      | 0.00       | 0.0               | 2.456                               | 0.097 | 0    | 0          | 0            | 2         |
| 115808       | PL.671      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.93         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 2.456                               | 0.000 | 14   | 2          | 1            | 1         |
| 115821       | PL.671      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.59         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 2.456                               | 0.000 | 9    | 1          | 1            | 1         |
| PL.679       | PL.5420     | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.83         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 2.504                               | 0.145 | 0    | 0          | 0            | 1         |
| 115832       | PL.679      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.83         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 2.504                               | 0.000 | 12   | 2          | 1            | 1         |
| PL.23679     | PL.37598    | C   | 4ACSR              | 14.93Y    | 124.4        | 0.01            | 1.56   | 4.12         | 2        | 61         | 10   | 99      | 0.00       | 0.0               | 2.275                               | 0.123 | 0    | 0          | 0            | 11        |
| PL.695       | PL.23679    | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.56   | 1.64         | 1        | 24         | 4    | 99      | 0.00       | 0.0               | 2.360                               | 0.085 | 0    | 0          | 0            | 2         |
| 115871       | PL.695      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.74         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 2.360                               | 0.000 | 11   | 2          | 1            | 1         |
| 115864       | PL.695      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.90         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 2.360                               | 0.000 | 13   | 2          | 1            | 1         |
| PL.23681     | PL.23679    | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.15         | 0        | 2          | 1    | 89      | 0.00       | 0.0               | 2.383                               | 0.108 | 0    | 0          | 0            | 1         |
| 115809       | PL.23681    | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.15         | 0        | 2          | 1    | 89      | 0.00       | 0.0               | 2.383                               | 0.000 | 2    | 1          | 1            | 1         |
| PL.677       | PL.23679    | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.48         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.397                               | 0.122 | 0    | 0          | 0            | 3         |
| PL.23677     | PL.677      | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.19         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.469                               | 0.072 | 0    | 0          | 0            | 1         |
| 1158071      | PL.23677    | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.469                               | 0.000 | 0    | 0          | 0            | 0         |
| 115836       | PL.23677    | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.19         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.469                               | 0.000 | 3    | 0          | 1            | 1         |
| 115831       | PL.677      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.18         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 2.397                               | 0.000 | 3    | 0          | 1            | 1         |
| 115840       | PL.677      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.11         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.397                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.23680     | PL.23679    | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.56   | 1.13         | 1        | 17         | 3    | 98      | 0.00       | 0.0               | 2.380                               | 0.105 | 0    | 0          | 0            | 4         |
| PL.693       | PL.23680    | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.56   | 1.12         | 1        | 16         | 3    | 98      | 0.00       | 0.0               | 2.440                               | 0.060 | 0    | 0          | 0            | 3         |
| PL.5428      | PL.693      | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.72         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 2.440                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.5429      | PL.5428     | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.72         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 2.499                               | 0.060 | 0    | 0          | 0            | 2         |
| 115868       | PL.5429     | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.08         | 0        | 1          | 1    | 71      | 0.00       | 0.0               | 2.499                               | 0.000 | 1    | 1          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| 115863       | PL.5429     | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56                     | 0.65         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 2.499             | 0.000          | 10         | 1            | 1  | 1    |
| 115860       | PL.693      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56                     | 0.39         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.440             | 0.000          | 6          | 1            | 1  | 1    |
| 115826       | PL.23680    | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.380             | 0.000          | 0          | 0            | 1  | 1    |
| PL.694       | PL.23679    | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.56                     | 0.73         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 2.329             | 0.054          | 0          | 0            | 0  | 1    |
| 115861       | PL.694      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56                     | 0.73         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 2.329             | 0.000          | 11         | 2            | 1  | 1    |
| PL.37601     | PL.17590    | C   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.53                     | 1.12         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 2.066             | 0.003          | 0          | 0            | 0  | 3    |
| PD.6156      | PL.37601    | C   | fuse6AMP           | 14.94Y    | 124.5        | 0.00            | 1.53                     | 1.12         | 19       | 16         | 2    | 99      | 0.00       | 0.0               | 2.066             | 0.000          | 0          | 0            | 0  | 3    |
| PL.37602     | PD.6156     | C   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.53                     | 1.12         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 2.121             | 0.055          | 0          | 0            | 0  | 3    |
| 115859       | PL.37602    | C   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.53                     | 0.87         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 2.121             | 0.000          | 13         | 2            | 1  | 1    |
| 115825       | PL.37602    | C   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.53                     | 0.11         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.121             | 0.000          | 2          | 0            | 1  | 1    |
| 115823       | PL.37602    | C   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.53                     | 0.14         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.121             | 0.000          | 2          | 0            | 1  | 1    |
| PL.37599     | PL.17590    | C   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.53                     | 4.69         | 2        | 69         | 10   | 99      | 0.00       | 0.0               | 2.070             | 0.008          | 0          | 0            | 0  | 10   |
| PD.6155-A    | PL.37599    | C   | Closed             | 14.94Y    | 124.5        | 0.00            | 1.53                     | 4.69         | 0        | 69         | 10   | 99      | 0.00       | 0.0               | 2.070             | 0.000          | 0          | 0            | 0  | 10   |
| PD.6155-B    | PD.6155-A   | C   | Closed             | 14.94Y    | 124.5        | 0.00            | 1.53                     | 4.69         | 0        | 69         | 10   | 99      | 0.00       | 0.0               | 2.070             | 0.000          | 0          | 0            | 0  | 10   |
| PL.37600     | PD.6155-B   | C   | 4ACSR              | 14.94Y    | 124.5        | 0.01            | 1.54                     | 4.69         | 2        | 69         | 10   | 99      | 0.00       | 0.0               | 2.149             | 0.079          | 0          | 0            | 0  | 10   |
| 115829       | PL.37600    | C   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.54                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.149             | 0.000          | 0          | 0            | 1  | 1    |
| PL.5414      | PL.37600    | C   | 4ACSR              | 14.93Y    | 124.5        | 0.01            | 1.55                     | 4.68         | 2        | 69         | 10   | 99      | 0.00       | 0.0               | 2.227             | 0.078          | 0          | 0            | 0  | 9    |
| PL.5417      | PL.5414     | C   | 4ACSR              | 14.93Y    | 124.4        | 0.02            | 1.57                     | 4.68         | 2        | 69         | 10   | 99      | 0.01       | 0.0               | 2.422             | 0.194          | 0          | 0            | 0  | 9    |
| 115804       | PL.5417     | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.57                     | 0.38         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.422             | 0.000          | 6          | 1            | 1  | 1    |
| PL.678       | PL.5417     | C   | 4ACSR              | 14.93Y    | 124.4        | 0.01            | 1.58                     | 3.21         | 2        | 47         | 7    | 99      | 0.00       | 0.0               | 2.596             | 0.174          | 0          | 0            | 0  | 4    |
| 115802       | PL.678      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.58                     | 1.03         | 0        | 15         | 2    | 99      | 0.00       | 0.0               | 2.596             | 0.000          | 15         | 2            | 1  | 1    |
| 115841       | PL.678      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.58                     | 0.48         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 2.596             | 0.000          | 7          | 1            | 1  | 1    |
| 115845       | PL.678      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.58                     | 0.85         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 2.596             | 0.000          | 13         | 2            | 1  | 1    |
| PL.673       | PL.678      | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.58                     | 0.85         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 2.656             | 0.060          | 0          | 0            | 0  | 1    |
| 115852       | PL.673      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.58                     | 0.85         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 2.656             | 0.000          | 13         | 2            | 1  | 1    |
| PL.5418      | PL.5417     | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.57                     | 1.09         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 2.424             | 0.003          | 0          | 0            | 0  | 4    |
| PL.17570     | PL.5418     | C   | 4ACSR              | 14.93Y    | 124.4        | 0.01            | 1.57                     | 1.09         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 2.741             | 0.317          | 0          | 0            | 0  | 4    |
| PL.627       | PL.17570    | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.57                     | 0.94         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 2.828             | 0.087          | 0          | 0            | 0  | 3    |
| 115712       | PL.627      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.57                     | 0.94         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 2.828             | 0.000          | 14         | 2            | 1  | 1    |
| 115728       | PL.627      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.57                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.828             | 0.000          | 0          | 0            | 1  | 1    |
| PL.625       | PL.627      | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.57                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.907             | 0.079          | 0          | 0            | 0  | 1    |
| PL.626       | PL.625      | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.57                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.035          | 0          | 0            | 0  | 1    |
| 115715       | PL.626      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.57                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.942             | 0.000          | 0          | 0            | 1  | 1    |
| PL.17571     | PL.17570    | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.57                     | 0.15         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.013             | 0.272          | 0          | 0            | 0  | 1    |
| 115707       | PL.17571    | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.57                     | 0.15         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 3.013             | 0.000          | 2          | 0            | 1  | 1    |
| 115805       | PL.5414     | C   | Consumer           | 14.93Y    | 124.5        | 0.00            | 1.55                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.227             | 0.000          | 0          | 0            | 0  | 0    |
| 116802       | PL.5410     | C   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.49                     | 2.75         | 0        | 41         | 6    | 99      | 0.00       | 0.0               | 1.928             | 0.000          | 41         | 6            | 1  | 1    |
| 1168103      | PL.5410     | C   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.49                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.928             | 0.000          | 0          | 0            | 0  | 0    |

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements 116846 through PD.844.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and '-Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.23        | PL.9272     | B   | 4ACSR              | 14.87Y    | 124.0        | 0.01            | 2.04                     | 12.83        | 7        | 189        | 29   | 99      | 0.01       | 0.0               | 3.852                               | 0.025 | 0    | 0          | 0            | 23        |
| PL.9270      | PL.23       | B   | 4ACSR              | 14.87Y    | 124.0        | 0.00            | 2.05                     | 12.83        | 7        | 189        | 29   | 99      | 0.00       | 0.0               | 3.864                               | 0.012 | 0    | 0          | 0            | 23        |
| PL.9271      | PL.9270     | B   | 4ACSR              | 14.87Y    | 123.9        | 0.08            | 2.12                     | 12.52        | 6        | 184        | 28   | 99      | 0.11       | 0.1               | 4.146                               | 0.281 | 0    | 0          | 0            | 22        |
| PL.9269      | PL.9271     | B   | 4ACSR              | 14.86Y    | 123.8        | 0.03            | 2.15                     | 12.40        | 6        | 182        | 28   | 99      | 0.04       | 0.0               | 4.262                               | 0.116 | 0    | 0          | 0            | 20        |
| 115705       | PL.9269     | B   | Consumer           | 14.86Y    | 123.8        | 0.00            | 2.15                     | 0.74         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 4.262                               | 0.000 | 11   | 2          | 1            | 1         |
| PL.5388      | PL.9269     | B   | 4ACSR              | 14.86Y    | 123.8        | 0.01            | 2.17                     | 11.63        | 6        | 171        | 26   | 99      | 0.02       | 0.0               | 4.315                               | 0.053 | 0    | 0          | 0            | 18        |
| PL.21472     | PL.5388     | B   | 4ACSR              | 14.86Y    | 123.8        | 0.00            | 2.17                     | 10.11        | 5        | 148        | 23   | 99      | 0.00       | 0.0               | 4.332                               | 0.017 | 0    | 0          | 0            | 16        |
| C PD.3072    | PL.21472    | B   | fuse6AMP           | 14.86Y    | 123.8        | 0.00            | 2.17                     | 10.11        | 173      | 148        | 23   | 99      | 0.00       | 0.0               | 4.332                               | 0.000 | 0    | 0          | 0            | 16 C      |
| PL.21473     | PD.3072     | B   | 4ACSR              | 14.86Y    | 123.8        | 0.01            | 2.18                     | 10.11        | 5        | 148        | 23   | 99      | 0.01       | 0.0               | 4.380                               | 0.048 | 0    | 0          | 0            | 16        |
| PL.606       | PL.21473    | B   | 4ACSR              | 14.86Y    | 123.8        | 0.00            | 2.18                     | 10.11        | 5        | 148        | 23   | 99      | 0.00       | 0.0               | 4.380                               | 0.001 | 0    | 0          | 0            | 16        |
| PL.9509      | PL.606      | B   | 4ACSR              | 14.85Y    | 123.8        | 0.06            | 2.24                     | 10.11        | 5        | 148        | 23   | 99      | 0.07       | 0.0               | 4.680                               | 0.299 | 0    | 0          | 0            | 16        |
| PL.259       | PL.9509     | B   | 4ACSR              | 14.85Y    | 123.8        | 0.00            | 2.24                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.835                               | 0.155 | 0    | 0          | 0            | 0         |
| PL.9510      | PL.9509     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.02            | 2.27                     | 10.11        | 5        | 148        | 22   | 99      | 0.02       | 0.0               | 4.780                               | 0.100 | 0    | 0          | 0            | 16        |
| PL.9258      | PL.9510     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.01            | 2.27                     | 8.91         | 5        | 131        | 20   | 99      | 0.01       | 0.0               | 4.813                               | 0.034 | 0    | 0          | 0            | 13        |
| PL.5077      | PL.9258     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.77         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 4.863                               | 0.050 | 0    | 0          | 0            | 2         |
| 114702       | PL.5077     | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.71         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 4.863                               | 0.000 | 10   | 2          | 1            | 1         |
| PL.5076      | PL.5077     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.06         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.984                               | 0.120 | 0    | 0          | 0            | 1         |
| PL.32717     | PL.5076     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.06         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 5.202                               | 0.219 | 0    | 0          | 0            | 1         |
| 1147022      | PL.32717    | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.06         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 5.202                               | 0.000 | 1    | 0          | 1            | 1         |
| 114712       | PL.5076     | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.984                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.467       | PL.9258     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.36         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.910                               | 0.096 | 0    | 0          | 0            | 1         |
| 114703       | PL.467      | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.36         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.910                               | 0.000 | 5    | 1          | 1            | 1         |
| PL.9259      | PL.9258     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.02            | 2.30                     | 7.78         | 4        | 114        | 17   | 99      | 0.02       | 0.0               | 4.961                               | 0.148 | 0    | 0          | 0            | 10        |
| PL.9261      | PL.9259     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.02            | 2.31                     | 7.26         | 4        | 106        | 16   | 99      | 0.01       | 0.0               | 5.065                               | 0.104 | 0    | 0          | 0            | 9         |
| PL.9262      | PL.9261     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.02            | 2.34                     | 7.26         | 4        | 106        | 16   | 99      | 0.02       | 0.0               | 5.218                               | 0.153 | 0    | 0          | 0            | 9         |
| PL.9260      | PL.9262     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.34                     | 0.89         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 5.355                               | 0.137 | 0    | 0          | 0            | 2         |
| 113712       | PL.9260     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.34                     | 0.89         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 5.355                               | 0.000 | 13   | 2          | 1            | 1         |
| 113711       | PL.9260     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.34                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.355                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.470       | PL.9262     | B   | 4ACSR              | 14.84Y    | 123.6        | 0.01            | 2.35                     | 6.37         | 3        | 93         | 14   | 99      | 0.01       | 0.0               | 5.326                               | 0.109 | 0    | 0          | 0            | 7         |
| PL.9263      | PL.470      | B   | 4ACSR              | 14.84Y    | 123.6        | 0.00            | 2.35                     | 6.37         | 3        | 93         | 14   | 99      | 0.00       | 0.0               | 5.345                               | 0.019 | 0    | 0          | 0            | 7         |
| PL.475       | PL.9263     | B   | 4ACSR              | 14.84Y    | 123.6        | 0.01            | 2.36                     | 1.41         | 1        | 21         | 3    | 99      | 0.00       | 0.0               | 5.548                               | 0.202 | 0    | 0          | 0            | 1         |
| 113716       | PL.475      | B   | Consumer           | 14.84Y    | 123.6        | 0.00            | 2.36                     | 1.41         | 0        | 21         | 3    | 99      | 0.00       | 0.0               | 5.548                               | 0.000 | 21   | 3          | 1            | 1         |
| 114717       | PL.9263     | B   | Consumer           | 14.84Y    | 123.6        | 0.00            | 2.35                     | 1.17         | 0        | 17         | 3    | 98      | 0.00       | 0.0               | 5.345                               | 0.000 | 17   | 3          | 1            | 1         |
| PL.9264      | PL.9263     | B   | 4ACSR              | 14.84Y    | 123.6        | 0.00            | 2.36                     | 3.80         | 2        | 56         | 8    | 99      | 0.00       | 0.0               | 5.394                               | 0.048 | 0    | 0          | 0            | 5         |
| PL.4836      | PL.9264     | B   | 4ACSR              | 14.84Y    | 123.6        | 0.00            | 2.36                     | 3.15         | 2        | 46         | 7    | 99      | 0.00       | 0.0               | 5.394                               | 0.000 | 0    | 0          | 0            | 4         |
| PL.471       | PL.4836     | B   | 4ACSR              | 14.84Y    | 123.6        | 0.00            | 2.36                     | 3.15         | 2        | 46         | 7    | 99      | 0.00       | 0.0               | 5.455                               | 0.061 | 0    | 0          | 0            | 4         |
| 114713       | PL.471      | B   | Consumer           | 14.84Y    | 123.6        | 0.00            | 2.36                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.455                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.469       | PL.471      | B   | 4ACSR              | 14.84Y    | 123.6        | 0.01            | 2.37                     | 3.15         | 2        | 46         | 7    | 99      | 0.00       | 0.0               | 5.562                               | 0.107 | 0    | 0          | 0            | 4         |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |               |              |          |            |      |         | mi<br>From<br>Src | -----Element----- |           | Cons<br>On | Cons<br>Thru |                |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|---------------|--------------|----------|------------|------|---------|-------------------|-------------------|-----------|------------|--------------|----------------|----|
|              |             |     |                    |           |              |                 | -Base Voltage:120.0-     | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF |                   | kW<br>Loss        | %<br>Loss |            |              | Length<br>(mi) | KW |
| 114711       | PL.469      | B   | Consumer           | 14.84Y    | 123.6        | 0.00            | 2.37                     | 0.20          | 0            | 3        | 0          | 100  | 0.00    | 0.0               | 5.562             | 0.000     | 3          | 0            | 1              | 1  |
| PL.9265      | PL.469      | B   | 4ACSR              | 14.84Y    | 123.6        | 0.00            | 2.37                     | 2.95          | 2            | 43       | 7          | 99   | 0.00    | 0.0               | 5.632             | 0.070     | 0          | 0            | 0              | 3  |
| PL.9267      | PL.9265     | B   | 4ACSR              | 14.83Y    | 123.6        | 0.01            | 2.38                     | 2.04          | 1            | 30       | 5          | 99   | 0.00    | 0.0               | 5.788             | 0.156     | 0          | 0            | 0              | 2  |
| PL.9268      | PL.9267     | B   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.38                     | 0.92          | 0            | 13       | 2          | 99   | 0.00    | 0.0               | 5.944             | 0.157     | 0          | 0            | 0              | 1  |
| 114718       | PL.9268     | B   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.38                     | 0.92          | 0            | 13       | 2          | 99   | 0.00    | 0.0               | 5.944             | 0.000     | 13         | 2            | 1              | 1  |
| PL.476       | PL.9267     | B   | 4ACSR              | 14.83Y    | 123.6        | 0.01            | 2.39                     | 1.13          | 1            | 17       | 2          | 99   | 0.00    | 0.0               | 5.998             | 0.210     | 0          | 0            | 0              | 1  |
| 114719       | PL.476      | B   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.39                     | 1.13          | 0            | 17       | 2          | 99   | 0.00    | 0.0               | 5.998             | 0.000     | 17         | 2            | 1              | 1  |
| PL.9266      | PL.9265     | B   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.38                     | 0.91          | 0            | 13       | 2          | 99   | 0.00    | 0.0               | 5.731             | 0.099     | 0          | 0            | 0              | 1  |
| 114706       | PL.9266     | B   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.38                     | 0.91          | 0            | 13       | 2          | 99   | 0.00    | 0.0               | 5.731             | 0.000     | 13         | 2            | 1              | 1  |
| 114714       | PL.9264     | B   | Consumer           | 14.84Y    | 123.6        | 0.00            | 2.36                     | 0.64          | 0            | 9        | 1          | 99   | 0.00    | 0.0               | 5.394             | 0.000     | 9          | 1            | 1              | 1  |
| 114708       | PL.9264     | B   | Consumer           | 14.84Y    | 123.6        | 0.00            | 2.36                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 5.394             | 0.000     | 0          | 0            | 0              | 0  |
| PL.468       | PL.9261     | B   | 4ACSR              | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 5.145             | 0.080     | 0          | 0            | 0              | 0  |
| 114710       | PL.468      | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.31                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 5.145             | 0.000     | 0          | 0            | 0              | 0  |
| 114721       | PL.9259     | B   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.30                     | 0.53          | 0            | 8        | 1          | 99   | 0.00    | 0.0               | 4.961             | 0.000     | 8          | 1            | 1              | 1  |
| PL.5335      | PL.9510     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.27                     | 1.20          | 1            | 18       | 3          | 99   | 0.00    | 0.0               | 4.879             | 0.100     | 0          | 0            | 0              | 3  |
| 114715       | PL.5335     | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.42          | 0            | 6        | 1          | 99   | 0.00    | 0.0               | 4.879             | 0.000     | 6          | 1            | 1              | 1  |
| PL.9511      | PL.5335     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.78          | 0            | 11       | 2          | 98   | 0.00    | 0.0               | 4.940             | 0.061     | 0          | 0            | 0              | 2  |
| PL.466       | PL.9511     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.15          | 0            | 2        | 0          | 100  | 0.00    | 0.0               | 5.022             | 0.081     | 0          | 0            | 0              | 1  |
| 114716       | PL.466      | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.15          | 0            | 2        | 0          | 100  | 0.00    | 0.0               | 5.022             | 0.000     | 2          | 0            | 1              | 1  |
| PL.9257      | PL.9511     | B   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.63          | 0            | 9        | 1          | 99   | 0.00    | 0.0               | 4.959             | 0.018     | 0          | 0            | 0              | 1  |
| 114705       | PL.9257     | B   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.27                     | 0.63          | 0            | 9        | 1          | 99   | 0.00    | 0.0               | 4.959             | 0.000     | 9          | 1            | 1              | 1  |
| PL.602       | PL.5388     | B   | 4ACSR              | 14.86Y    | 123.8        | 0.00            | 2.17                     | 0.69          | 0            | 10       | 2          | 98   | 0.00    | 0.0               | 4.459             | 0.144     | 0          | 0            | 0              | 1  |
| 115714       | PL.602      | B   | Consumer           | 14.86Y    | 123.8        | 0.00            | 2.17                     | 0.69          | 0            | 10       | 2          | 98   | 0.00    | 0.0               | 4.459             | 0.000     | 10         | 2            | 1              | 1  |
| PL.9507      | PL.5388     | B   | 4ACSR              | 14.86Y    | 123.8        | 0.00            | 2.17                     | 0.83          | 0            | 12       | 2          | 99   | 0.00    | 0.0               | 4.587             | 0.272     | 0          | 0            | 0              | 1  |
| PL.5385      | PL.9507     | B   | 4ACSR              | 14.86Y    | 123.8        | 0.00            | 2.17                     | 0.83          | 0            | 12       | 2          | 99   | 0.00    | 0.0               | 4.651             | 0.064     | 0          | 0            | 0              | 1  |
| 115717       | PL.5385     | B   | Consumer           | 14.86Y    | 123.8        | 0.00            | 2.17                     | 0.83          | 0            | 12       | 2          | 99   | 0.00    | 0.0               | 4.651             | 0.000     | 12         | 2            | 1              | 1  |
| PL.5386      | PL.5385     | B   | 4ACSR              | 14.86Y    | 123.8        | 0.00            | 2.17                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 4.651             | 0.000     | 0          | 0            | 0              | 0  |
| PL.30833     | PL.9507     | B   | 4ACSR              | 14.86Y    | 123.8        | 0.00            | 2.17                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 4.708             | 0.121     | 0          | 0            | 0              | 0  |
| PD.51-A      | PL.30833    | B   | Open               | 14.86Y    | 123.8        | 0.00            | 2.17                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 4.708             | 0.000     | 0          | 0            | 0              | 0  |
| PL.39021     | PL.9269     | B   | 2ACSR              | 14.86Y    | 123.8        | 0.00            | 2.15                     | 0.04          | 0            | 1        | 0          | 100  | 0.00    | 0.0               | 4.321             | 0.060     | 0          | 0            | 0              | 1  |
| 1147023      | PL.39021    | B   | Consumer           | 14.86Y    | 123.8        | 0.00            | 2.15                     | 0.04          | 0            | 1        | 0          | 100  | 0.00    | 0.0               | 4.321             | 0.000     | 1          | 0            | 1              | 1  |
| PL.603       | PL.9271     | B   | 4ACSR              | 14.87Y    | 123.9        | 0.00            | 2.12                     | 0.11          | 0            | 2        | 0          | 100  | 0.00    | 0.0               | 4.370             | 0.224     | 0          | 0            | 0              | 2  |
| 115724       | PL.603      | B   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.12                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 4.370             | 0.000     | 0          | 0            | 1              | 1  |
| 115706       | PL.603      | B   | Consumer           | 14.87Y    | 123.9        | 0.00            | 2.12                     | 0.11          | 0            | 2        | 0          | 100  | 0.00    | 0.0               | 4.370             | 0.000     | 2          | 0            | 1              | 1  |
| 115801       | PL.9270     | B   | Consumer           | 14.87Y    | 124.0        | 0.00            | 2.05                     | 0.32          | 0            | 5        | 1          | 98   | 0.00    | 0.0               | 3.864             | 0.000     | 5          | 1            | 1              | 1  |
| PL.138       | PL.27504    | B   | 4ACSR              | 14.88Y    | 124.0        | 0.00            | 2.00                     | 0.28          | 0            | 4        | 1          | 97   | 0.00    | 0.0               | 3.817             | 0.135     | 0          | 0            | 0              | 1  |
| 114801       | PL.138      | B   | Consumer           | 14.88Y    | 124.0        | 0.00            | 2.00                     | 0.28          | 0            | 4        | 1          | 97   | 0.00    | 0.0               | 3.817             | 0.000     | 4          | 1            | 1              | 1  |
| PL.27505     | PL.9273     | B   | 4ACSR              | 14.90Y    | 124.1        | 0.00            | 1.87                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 3.237             | 0.014     | 0          | 0            | 0              | 0  |



Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and '-Base Voltage:120.0-'.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes rows for elements PL.132 through PL.676 and C PD.870.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 115850, 115842, PL.40772, etc.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |                | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |      | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|----------------|---------|------------|-----------|-------------------|-------------------|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | Length<br>(mi) |         |            |           |                   | KW                | KVAR |            |              |
| 115917       | PL.17803    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.07   | 1.10         | 0        | 16         | 2    | 99             | 0.00    | 0.0        | 3.722     | 0.000             | 16                | 2    | 1          | 1            |
| PL.8744      | PL.8743     | A   | 1/0ACSR            | 15.11Y    | 125.9        | 0.01            | 0.07   | 9.94         | 3        | 148        | 22   | 99             | 0.04    | 0.0        | 3.740     | 0.080             | 0                 | 0    | 0          | 36           |
|              |             | B   |                    | 15.10Y    | 125.9        | 0.01            | 0.15   | 13.89        | 4        | 207        | 32   | 99             |         |            |           |                   | 0                 | 0    | 0          | 23           |
|              |             | C   |                    | 15.10Y    | 125.8        | 0.01            | 0.16   | 15.67        | 5        | 234        | 36   | 99             |         |            |           |                   | 0                 | 0    | 0          | 31           |
| 1159038      | PL.8744     | B   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.15   | 0.00         | 0        | 0          | 0    | 100            | 0.00    | 0.0        | 3.740     | 0.000             | 0                 | 0    | 1          | 1            |
| PL.5421      | PL.8744     | A   | 1/0ACSR            | 15.11Y    | 125.9        | 0.00            | 0.07   | 9.94         | 3        | 148        | 22   | 99             | 0.03    | 0.0        | 3.795     | 0.055             | 0                 | 0    | 0          | 36           |
|              |             | B   |                    | 15.10Y    | 125.8        | 0.01            | 0.16   | 13.89        | 4        | 207        | 32   | 99             |         |            |           |                   | 0                 | 0    | 0          | 22           |
|              |             | C   |                    | 15.10Y    | 125.8        | 0.01            | 0.17   | 15.67        | 5        | 234        | 36   | 99             |         |            |           |                   | 0                 | 0    | 0          | 31           |
| PL.18860     | PL.5421     | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08   | 1.71         | 1        | 26         | 4    | 99             | 0.00    | 0.0        | 3.825     | 0.029             | 0                 | 0    | 0          | 5            |
| PD.833       | PL.18860    | A   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.08   | 1.71         | 29       | 26         | 4    | 99             | 0.00    | 0.0        | 3.825     | 0.000             | 0                 | 0    | 0          | 5            |
| PL.18861     | PD.833      | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08   | 1.71         | 1        | 26         | 4    | 99             | 0.00    | 0.0        | 3.834     | 0.009             | 0                 | 0    | 0          | 5            |
| PL.28020     | PL.18861    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08   | 1.49         | 1        | 22         | 3    | 99             | 0.00    | 0.0        | 3.885     | 0.052             | 0                 | 0    | 0          | 3            |
| PL.28021     | PL.28020    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08   | 1.11         | 1        | 17         | 2    | 99             | 0.00    | 0.0        | 3.941     | 0.055             | 0                 | 0    | 0          | 2            |
| 115927       | PL.28021    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08   | 0.63         | 0        | 9          | 1    | 99             | 0.00    | 0.0        | 3.941     | 0.000             | 9                 | 1    | 1          | 1            |
| 115932       | PL.28021    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08   | 0.48         | 0        | 7          | 1    | 99             | 0.00    | 0.0        | 3.941     | 0.000             | 7                 | 1    | 1          | 1            |
| 115914       | PL.28020    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08   | 0.39         | 0        | 6          | 1    | 99             | 0.00    | 0.0        | 3.885     | 0.000             | 6                 | 1    | 1          | 1            |
| PL.683       | PL.18861    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08   | 0.21         | 0        | 3          | 0    | 100            | 0.00    | 0.0        | 3.907     | 0.073             | 0                 | 0    | 0          | 2            |
| PL.487       | PL.683      | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08   | 0.00         | 0        | 0          | 0    | 100            | 0.00    | 0.0        | 3.907     | 0.000             | 0                 | 0    | 0          | 0            |
| PL.4842      | PL.683      | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08   | 0.21         | 0        | 3          | 0    | 100            | 0.00    | 0.0        | 3.958     | 0.051             | 0                 | 0    | 0          | 2            |
| PL.42562     | PL.4842     | A   | 2ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08   | 0.00         | 0        | 0          | 0    | 100            | 0.00    | 0.0        | 4.014     | 0.057             | 0                 | 0    | 0          | 0            |
| 1149005      | PL.42562    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08   | 0.00         | 0        | 0          | 0    | 100            | 0.00    | 0.0        | 4.014     | 0.000             | 0                 | 0    | 0          | 0            |
| PL.4841      | PL.4842     | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.08   | 0.07         | 0        | 1          | 0    | 100            | 0.00    | 0.0        | 4.146     | 0.189             | 0                 | 0    | 0          | 1            |
| 114904       | PL.4841     | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08   | 0.07         | 0        | 1          | 0    | 100            | 0.00    | 0.0        | 4.146     | 0.000             | 1                 | 0    | 1          | 1            |
| 114902       | PL.4842     | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.08   | 0.14         | 0        | 2          | 0    | 100            | 0.00    | 0.0        | 3.958     | 0.000             | 2                 | 0    | 1          | 1            |
| PL.8745      | PL.5421     | A   | 1/0ACSR            | 15.11Y    | 125.9        | 0.01            | 0.09   | 8.23         | 2        | 123        | 19   | 99             | 0.12    | 0.0        | 4.054     | 0.259             | 0                 | 0    | 0          | 31           |
|              |             | B   |                    | 15.10Y    | 125.8        | 0.04            | 0.19   | 13.89        | 4        | 207        | 32   | 99             |         |            |           |                   | 0                 | 0    | 0          | 22           |
|              |             | C   |                    | 15.10Y    | 125.8        | 0.03            | 0.20   | 15.67        | 5        | 234        | 36   | 99             |         |            |           |                   | 0                 | 0    | 0          | 31           |
| PL.8746      | PL.8745     | A   | 1/0ACSR            | 15.11Y    | 125.9        | 0.01            | 0.09   | 8.23         | 2        | 123        | 19   | 99             | 0.06    | 0.0        | 4.194     | 0.140             | 0                 | 0    | 0          | 31           |
|              |             | B   |                    | 15.09Y    | 125.8        | 0.02            | 0.21   | 13.89        | 4        | 207        | 32   | 99             |         |            |           |                   | 0                 | 0    | 0          | 22           |
|              |             | C   |                    | 15.09Y    | 125.8        | 0.01            | 0.21   | 13.97        | 4        | 209        | 32   | 99             |         |            |           |                   | 0                 | 0    | 0          | 26           |
| PL.5650      | PL.8746     | A   | 1/0ACSR            | 15.11Y    | 125.9        | 0.00            | 0.09   | 8.23         | 2        | 123        | 19   | 99             | 0.01    | 0.0        | 4.219     | 0.024             | 0                 | 0    | 0          | 31           |
|              |             | B   |                    | 15.09Y    | 125.8        | 0.00            | 0.22   | 13.89        | 4        | 207        | 32   | 99             |         |            |           |                   | 0                 | 0    | 0          | 22           |
|              |             | C   |                    | 15.09Y    | 125.8        | 0.00            | 0.22   | 13.97        | 4        | 209        | 32   | 99             |         |            |           |                   | 0                 | 0    | 0          | 26           |
| PL.16589     | PL.5650     | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10   | 0.79         | 0        | 12         | 2    | 99             | 0.00    | 0.0        | 4.236     | 0.017             | 0                 | 0    | 0          | 1            |
| PD.911       | PL.16589    | A   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.10   | 0.79         | 14       | 12         | 2    | 99             | 0.00    | 0.0        | 4.236     | 0.000             | 0                 | 0    | 0          | 1            |
| PL.32973     | PD.911      | A   | 4ACSR              | 15.11Y    | 125.9        | 0.01            | 0.10   | 0.79         | 0        | 12         | 2    | 99             | 0.00    | 0.0        | 4.586     | 0.350             | 0                 | 0    | 0          | 1            |
| PL.32972     | PL.32973    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10   | 0.79         | 0        | 12         | 2    | 99             | 0.00    | 0.0        | 4.652     | 0.065             | 0                 | 0    | 0          | 1            |
| 1252006      | PL.32972    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10   | 0.79         | 0        | 12         | 2    | 99             | 0.00    | 0.0        | 4.652     | 0.000             | 12                | 2    | 1          | 1            |
| PL.32974     | PL.32973    | A   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.10   | 0.00         | 0        | 0          | 0    | 100            | 0.00    | 0.0        | 4.653     | 0.067             | 0                 | 0    | 0          | 0            |
| 125204       | PL.32974    | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.10   | 0.00         | 0        | 0          | 0    | 100            | 0.00    | 0.0        | 4.653     | 0.000             | 0                 | 0    | 0          | 0            |
| 115909       | PL.5650     | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.09   | 0.00         | 0        | 0          | 0    | 100            | 0.00    | 0.0        | 4.219     | 0.000             | 0                 | 0    | 1          | 1            |
| 115910       | PL.5650     | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.09   | 0.56         | 0        | 8          | 1    | 99             | 0.00    | 0.0        | 4.219     | 0.000             | 8                 | 1    | 1          | 1            |
| 115913       | PL.5650     | A   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.09   | 0.16         | 0        | 2          | 0    | 100            | 0.00    | 0.0        | 4.219     | 0.000             | 2                 | 0    | 1          | 1            |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.8747, PL.16588, etc.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element (KW, KVAR), Cons On, Cons Thru. Includes a sub-header for Units Displayed In Volts and Base Voltage:120.0-

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 124320, 124230, etc.



Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.8756, PL.16576, PD.896, etc.

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include various elements like PL.5628, PL.5629, 123207, etc.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            |           | mi<br>From<br>Src | Length<br>(mi) | Element |      | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-----------|-------------------|----------------|---------|------|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss |                   |                | KW      | KVAR |            |              |
| PD.3313      | PL.20208    | A   | 25E                | 15.09Y    | 125.7        | 0.00            | 0.25   | 5.93         | 24       | 88         | 13   | 99      | 0.00       | 0.0       | 6.634             | 0.000          | 0       | 0    | 0          | 24           |
|              |             | B   |                    | 15.07Y    | 125.5        | 0.00            | 0.46   | 7.63         | 31       | 114        | 17   | 99      |            |           |                   |                | 0       | 0    | 0          | 9            |
| PL.20209     | PD.3313     | A   | 4ACSR              | 15.09Y    | 125.7        | 0.01            | 0.26   | 5.93         | 3        | 88         | 13   | 99      | 0.01       | 0.0       | 6.690             | 0.056          | 0       | 0    | 0          | 24           |
|              |             | B   |                    | 15.06Y    | 125.5        | 0.01            | 0.46   | 7.63         | 4        | 114        | 17   | 99      |            |           |                   |                | 0       | 0    | 0          | 9            |
| PL.25311     | PL.20209    | A   | 4ACSR              | 15.09Y    | 125.7        | 0.03            | 0.28   | 4.60         | 2        | 69         | 10   | 99      | 0.04       | 0.0       | 6.905             | 0.215          | 0       | 0    | 0          | 22           |
|              |             | B   |                    | 15.06Y    | 125.5        | 0.03            | 0.50   | 7.63         | 4        | 114        | 17   | 99      |            |           |                   |                | 0       | 0    | 0          | 9            |
| PL.51        | PL.25311    | A   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.29   | 4.60         | 2        | 69         | 10   | 99      | 0.00       | 0.0       | 6.922             | 0.017          | 0       | 0    | 0          | 22           |
|              |             | B   |                    | 15.06Y    | 125.5        | 0.00            | 0.50   | 7.63         | 4        | 114        | 17   | 99      |            |           |                   |                | 0       | 0    | 0          | 9            |
| PL.9         | PL.51       | A   | 4ACSR              | 15.08Y    | 125.6        | 0.07            | 0.36   | 4.60         | 2        | 69         | 10   | 99      | 0.11       | 0.1       | 7.548             | 0.626          | 0       | 0    | 0          | 22           |
|              |             | B   |                    | 15.05Y    | 125.4        | 0.09            | 0.59   | 7.63         | 4        | 114        | 17   | 99      |            |           |                   |                | 0       | 0    | 0          | 9            |
| PL.9242      | PL.9        | A   | 4ACSR              | 15.07Y    | 125.6        | 0.05            | 0.41   | 4.60         | 2        | 69         | 10   | 99      | 0.08       | 0.0       | 7.983             | 0.435          | 0       | 0    | 0          | 22           |
|              |             | B   |                    | 15.04Y    | 125.4        | 0.06            | 0.65   | 7.63         | 4        | 114        | 17   | 99      |            |           |                   |                | 0       | 0    | 0          | 9            |
| PL.36613     | PL.9242     | A   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41   | 1.11         | 1        | 16         | 2    | 99      | 0.00       | 0.0       | 7.987             | 0.005          | 0       | 0    | 0          | 3            |
| PD.5681      | PL.36613    | A   | fuse6AMP           | 15.07Y    | 125.6        | 0.00            | 0.41   | 1.11         | 19       | 16         | 2    | 99      | 0.00       | 0.0       | 7.987             | 0.000          | 0       | 0    | 0          | 3            |
| PL.36614     | PD.5681     | A   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41   | 1.11         | 1        | 16         | 2    | 99      | 0.00       | 0.0       | 8.101             | 0.114          | 0       | 0    | 0          | 3            |
| PL.142       | PL.36614    | A   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.41   | 0.68         | 0        | 10         | 2    | 98      | 0.00       | 0.0       | 8.165             | 0.064          | 0       | 0    | 0          | 2            |
| PL.140       | PL.142      | A   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.42   | 0.68         | 0        | 10         | 2    | 98      | 0.00       | 0.0       | 8.359             | 0.194          | 0       | 0    | 0          | 2            |
| PL.143       | PL.140      | A   | 4ACSR              | 15.07Y    | 125.6        | 0.00            | 0.42   | 0.68         | 0        | 10         | 2    | 98      | 0.00       | 0.0       | 8.384             | 0.024          | 0       | 0    | 0          | 2            |
| 1139007      | PL.143      | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42   | 0.04         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 8.384             | 0.000          | 1       | 0    | 1          | 1            |
| 113906       | PL.143      | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.42   | 0.63         | 0        | 9          | 1    | 99      | 0.00       | 0.0       | 8.384             | 0.000          | 9       | 1    | 1          | 1            |
| 113904       | PL.36614    | A   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.41   | 0.43         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 8.101             | 0.000          | 6       | 1    | 1          | 1            |
| PL.9243      | PL.9242     | A   | 4ACSR              | 15.07Y    | 125.6        | 0.01            | 0.42   | 3.49         | 2        | 52         | 8    | 99      | 0.01       | 0.0       | 8.069             | 0.086          | 0       | 0    | 0          | 19           |
|              |             | B   |                    | 15.04Y    | 125.3        | 0.01            | 0.66   | 7.63         | 4        | 113        | 17   | 99      |            |           |                   |                | 0       | 0    | 0          | 9            |
| PL.9244      | PL.9243     | A   | 4ACSR              | 15.07Y    | 125.5        | 0.04            | 0.46   | 3.49         | 2        | 52         | 8    | 99      | 0.07       | 0.0       | 8.502             | 0.434          | 0       | 0    | 0          | 19           |
|              |             | B   |                    | 15.03Y    | 125.3        | 0.06            | 0.72   | 7.59         | 4        | 113        | 17   | 99      |            |           |                   |                | 0       | 0    | 0          | 8            |
| 113810       | PL.9244     | B   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.72   | 0.92         | 0        | 14         | 2    | 99      | 0.00       | 0.0       | 8.502             | 0.000          | 14      | 2    | 1          | 1            |
| PL.27509     | PL.9244     | A   | 4ACSR              | 15.07Y    | 125.5        | 0.00            | 0.46   | 3.49         | 2        | 52         | 8    | 99      | 0.00       | 0.0       | 8.505             | 0.003          | 0       | 0    | 0          | 19           |
|              |             | B   |                    | 15.03Y    | 125.3        | -0.00           | 0.72   | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                | 0       | 0    | 0          | 0            |
| PL.27510     | PL.27509    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.46   | 3.49         | 2        | 52         | 8    | 99      | 0.00       | 0.0       | 8.557             | 0.051          | 0       | 0    | 0          | 19           |
|              |             | B   |                    | 15.03Y    | 125.3        | -0.00           | 0.72   | 0.00         | 0        | 0          | 0    | 100     |            |           |                   |                | 0       | 0    | 0          | 0            |
| PL.36585     | PL.27510    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.46   | 0.75         | 0        | 11         | 2    | 98      | 0.00       | 0.0       | 8.563             | 0.006          | 0       | 0    | 0          | 2            |
| PD.5666      | PL.36585    | A   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.46   | 0.75         | 13       | 11         | 2    | 98      | 0.00       | 0.0       | 8.563             | 0.000          | 0       | 0    | 0          | 2            |
| PL.36586     | PD.5666     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.46   | 0.75         | 0        | 11         | 2    | 98      | 0.00       | 0.0       | 8.615             | 0.052          | 0       | 0    | 0          | 2            |
| 113813       | PL.36586    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.46   | 0.52         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 8.615             | 0.000          | 8       | 1    | 1          | 1            |
| 113807       | PL.36586    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.46   | 0.23         | 0        | 3          | 1    | 95      | 0.00       | 0.0       | 8.615             | 0.000          | 3       | 1    | 1          | 1            |
| PL.36588     | PL.27510    | B   | 4ACSR              | 15.03Y    | 125.3        | 0.00            | 0.72   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 8.562             | 0.005          | 0       | 0    | 0          | 0            |
| PD.5667-A    | PL.36588    | B   | Open               | 15.03Y    | 125.3        | 0.00            | 0.72   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 8.562             | 0.000          | 0       | 0    | 0          | 0            |
| PL.36589     | PL.27510    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.46   | 2.74         | 1        | 41         | 6    | 99      | 0.00       | 0.0       | 8.578             | 0.021          | 0       | 0    | 0          | 17           |
| PL.36590     | PL.36589    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47   | 2.74         | 1        | 41         | 6    | 99      | 0.00       | 0.0       | 8.614             | 0.036          | 0       | 0    | 0          | 17           |
| PL.36593     | PL.36590    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47   | 1.46         | 1        | 22         | 3    | 99      | 0.00       | 0.0       | 8.634             | 0.020          | 0       | 0    | 0          | 9            |
| PD.5671-A    | PL.36593    | A   | Closed             | 15.06Y    | 125.5        | 0.00            | 0.47   | 1.46         | 0        | 22         | 3    | 99      | 0.00       | 0.0       | 8.634             | 0.000          | 0       | 0    | 0          | 9            |
| PD.5671-B    | PD.5671-A   | A   | Closed             | 15.06Y    | 125.5        | 0.00            | 0.47   | 1.46         | 0        | 22         | 3    | 99      | 0.00       | 0.0       | 8.634             | 0.000          | 0       | 0    | 0          | 9            |
| PL.36594     | PD.5671-B   | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47   | 1.46         | 1        | 22         | 3    | 99      | 0.00       | 0.0       | 8.718             | 0.084          | 0       | 0    | 0          | 9            |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.36608     | PL.36594    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.723                               | 0.005 | 0    | 0          | 0            | 1         |
| PD.5678      | PL.36608    | A   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.47   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.723                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.36607     | PD.5678     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.874                               | 0.151 | 0    | 0          | 0            | 1         |
| 113814       | PL.36607    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.47   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.874                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.9249      | PL.36594    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47   | 1.46         | 1        | 22         | 3    | 99      | 0.00       | 0.0               | 8.851                               | 0.132 | 0    | 0          | 0            | 8         |
| PL.9250      | PL.9249     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.01            | 0.48   | 1.43         | 1        | 21         | 3    | 99      | 0.00       | 0.0               | 9.046                               | 0.195 | 0    | 0          | 0            | 7         |
| PL.25422     | PL.9250     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48   | 1.43         | 1        | 21         | 3    | 99      | 0.00       | 0.0               | 9.049                               | 0.003 | 0    | 0          | 0            | 7         |
| PL.36609     | PL.25422    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48   | 0.12         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 9.055                               | 0.006 | 0    | 0          | 0            | 1         |
| PL.36610     | PL.36609    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48   | 0.12         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 9.190                               | 0.135 | 0    | 0          | 0            | 1         |
| 113809       | PL.36610    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.48   | 0.12         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 9.190                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.25423     | PL.25422    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.01            | 0.49   | 1.31         | 1        | 20         | 3    | 99      | 0.00       | 0.0               | 9.320                               | 0.271 | 0    | 0          | 0            | 6         |
| PL.36611     | PL.25423    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.60         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 9.332                               | 0.013 | 0    | 0          | 0            | 2         |
| PD.5680      | PL.36611    | A   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.60         | 10       | 9          | 1    | 99      | 0.00       | 0.0               | 9.332                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.36612     | PD.5680     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.60         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 9.363                               | 0.031 | 0    | 0          | 0            | 2         |
| PL.254       | PL.36612    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.60         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 9.434                               | 0.071 | 0    | 0          | 0            | 2         |
| 112911       | PL.254      | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.434                               | 0.000 | 0    | 0          | 1            | 1         |
| 112910       | PL.254      | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.59         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 9.434                               | 0.000 | 9    | 1          | 1            | 1         |
| PL.5338      | PL.25423    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.71         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 9.449                               | 0.129 | 0    | 0          | 0            | 4         |
| PL.5333      | PL.5338     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.71         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 9.490                               | 0.041 | 0    | 0          | 0            | 4         |
| 112903       | PL.5333     | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.41         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 9.490                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.5334      | PL.5333     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.30         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 9.598                               | 0.108 | 0    | 0          | 0            | 3         |
| 112909       | PL.5334     | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.598                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.5069      | PL.5334     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.30         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 9.860                               | 0.262 | 0    | 0          | 0            | 2         |
| PL.25424     | PL.5069     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.30         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 10.166                              | 0.306 | 0    | 0          | 0            | 2         |
| PL.255       | PL.25424    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.29         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 10.226                              | 0.059 | 0    | 0          | 0            | 1         |
| 112907       | PL.255      | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.29         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 10.226                              | 0.000 | 4    | 1          | 1            | 1         |
| PL.25425     | PL.25424    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 10.257                              | 0.090 | 0    | 0          | 0            | 1         |
| 112904       | PL.25425    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.49   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 10.257                              | 0.000 | 0    | 0          | 1            | 1         |
| PL.40419     | PL.9249     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47   | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.901                               | 0.050 | 0    | 0          | 0            | 1         |
| 113815       | PL.40419    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.47   | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.901                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.36605     | PL.9249     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.854                               | 0.003 | 0    | 0          | 0            | 0         |
| PD.5677      | PL.36605    | A   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.47   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.854                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.36606     | PD.5677     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.918                               | 0.064 | 0    | 0          | 0            | 0         |
| PL.36595     | PL.36590    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47   | 1.25         | 1        | 19         | 3    | 99      | 0.00       | 0.0               | 8.635                               | 0.021 | 0    | 0          | 0            | 7         |
| PD.5672-A    | PL.36595    | A   | Closed             | 15.06Y    | 125.5        | 0.00            | 0.47   | 1.25         | 0        | 19         | 3    | 99      | 0.00       | 0.0               | 8.635                               | 0.000 | 0    | 0          | 0            | 7         |
| PD.5672-B    | PD.5672-A   | A   | Closed             | 15.06Y    | 125.5        | 0.00            | 0.47   | 1.25         | 0        | 19         | 3    | 99      | 0.00       | 0.0               | 8.635                               | 0.000 | 0    | 0          | 0            | 7         |
| PL.36596     | PD.5672-B   | A   | 4ACSR              | 15.06Y    | 125.5        | 0.01            | 0.47   | 1.25         | 1        | 19         | 3    | 99      | 0.00       | 0.0               | 8.961                               | 0.326 | 0    | 0          | 0            | 7         |
| PL.10232     | PL.36596    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48   | 0.97         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 9.110                               | 0.149 | 0    | 0          | 0            | 6         |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| PL.10233     | PL.10232    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.67         | 0        | 10         | 2         | 98         | 0.00      | 0.0               | 9.145                               | 0.035 | 0    | 0          | 0            | 5   |
| PL.10234     | PL.10233    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.45         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 9.289                               | 0.144 | 0    | 0          | 0            | 4   |
| PL.10235     | PL.10234    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.28         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 9.583                               | 0.295 | 0    | 0          | 0            | 1   |
| 113801       | PL.10235    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.28         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 9.583                               | 0.000 | 4    | 1          | 1            | 1   |
| PL.28730     | PL.10235    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.583                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.28731     | PL.28730    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.711                               | 0.128 | 0    | 0          | 0            | 0   |
| PL.6         | PL.28731    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.901                               | 0.190 | 0    | 0          | 0            | 0   |
| PL.16819     | PL.6        | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.940                               | 0.040 | 0    | 0          | 0            | 0   |
| PL.16820     | PL.16819    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.956                               | 0.016 | 0    | 0          | 0            | 0   |
| PL.36603     | PL.10234    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.17         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 9.296                               | 0.007 | 0    | 0          | 0            | 3   |
| PD.5676      | PL.36603    | A   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.17         | 3        | 2          | 0         | 100        | 0.00      | 0.0               | 9.296                               | 0.000 | 0    | 0          | 0            | 3   |
| PL.36604     | PD.5676     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.17         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 9.370                               | 0.074 | 0    | 0          | 0            | 3   |
| 113802       | PL.36604    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.15         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 9.370                               | 0.000 | 2    | 0          | 1            | 1   |
| PL.35712     | PL.36604    | A   | 2ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.533                               | 0.163 | 0    | 0          | 0            | 2   |
| PL.35711     | PL.35712    | A   | 2ACSR              | 15.06Y    | 125.5        | -0.00           | 0.48                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.627                               | 0.094 | 0    | 0          | 0            | 1   |
| 1137017      | PL.35711    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.627                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.35713     | PL.35712    | A   | 2ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.627                               | 0.093 | 0    | 0          | 0            | 1   |
| 1138022      | PL.35713    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.627                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.36601     | PL.10233    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.23         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 9.150                               | 0.006 | 0    | 0          | 0            | 1   |
| PD.5675      | PL.36601    | A   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.23         | 4        | 3          | 1         | 95         | 0.00      | 0.0               | 9.150                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.36602     | PD.5675     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.23         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 9.292                               | 0.142 | 0    | 0          | 0            | 1   |
| 113803       | PL.36602    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.23         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 9.292                               | 0.000 | 3    | 1          | 1            | 1   |
| PL.36599     | PL.10232    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.29         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 9.116                               | 0.006 | 0    | 0          | 0            | 1   |
| PD.5674      | PL.36599    | A   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.29         | 5        | 4          | 1         | 97         | 0.00      | 0.0               | 9.116                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.36600     | PD.5674     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.29         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 9.147                               | 0.032 | 0    | 0          | 0            | 1   |
| 113804       | PL.36600    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.48                     | 0.29         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 9.147                               | 0.000 | 4    | 1          | 1            | 1   |
| PL.36597     | PL.36596    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.29         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 8.967                               | 0.006 | 0    | 0          | 0            | 1   |
| PD.5673      | PL.36597    | A   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.29         | 5        | 4          | 1         | 97         | 0.00      | 0.0               | 8.967                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.36598     | PD.5673     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.29         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 9.040                               | 0.073 | 0    | 0          | 0            | 1   |
| 113805       | PL.36598    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.29         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 9.040                               | 0.000 | 4    | 1          | 1            | 1   |
| PL.36592     | PL.36590    | A   | 4ACSR              | 15.06Y    | 125.5        | -0.00           | 0.47                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.620                               | 0.006 | 0    | 0          | 0            | 1   |
| PD.5669      | PL.36592    | A   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.620                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.36591     | PD.5669     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.662                               | 0.042 | 0    | 0          | 0            | 1   |
| 113811       | PL.36591    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.47                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.662                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.27507     | PL.9244     | B   | 4ACSR              | 15.03Y    | 125.3        | 0.00            | 0.73                     | 6.67         | 3        | 99         | 15        | 99         | 0.00      | 0.0               | 8.520                               | 0.018 | 0    | 0          | 0            | 7   |
| C PD.777     | PL.27507    | B   | fuse6AMP           | 15.03Y    | 125.3        | 0.00            | 0.73                     | 6.67         | 114      | 99         | 15        | 99         | 0.00      | 0.0               | 8.520                               | 0.000 | 0    | 0          | 0            | 7 C |
| PL.27508     | PD.777      | B   | 4ACSR              | 15.03Y    | 125.3        | 0.02            | 0.74                     | 6.67         | 3        | 99         | 15        | 99         | 0.01      | 0.0               | 8.625                               | 0.105 | 0    | 0          | 0            | 7   |
| PL.9246      | PL.27508    | B   | 4ACSR              | 15.03Y    | 125.3        | 0.00            | 0.74                     | 3.61         | 2        | 54         | 8         | 99         | 0.00      | 0.0               | 8.685                               | 0.060 | 0    | 0          | 0            | 4   |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.32281     | PL.9246     | B   | 4ACSR              | 15.03Y    | 125.3        | 0.00            | 0.75                     | 2.02         | 1        | 30         | 5       | 99         | 0.00      | 0.0               | 8.730                               | 0.045 | 0    | 0          | 0            | 3 |
| 1138021      | PL.32281    | B   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.75                     | 0.55         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 8.730                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.32282     | PL.32281    | B   | 4ACSR              | 15.03Y    | 125.2        | 0.00            | 0.75                     | 1.47         | 1        | 22         | 3       | 99         | 0.00      | 0.0               | 8.874                               | 0.143 | 0    | 0          | 0            | 2 |
| PL.32280     | PL.32282    | B   | 4ACSR              | 15.03Y    | 125.2        | 0.00            | 0.75                     | 0.81         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 8.925                               | 0.051 | 0    | 0          | 0            | 1 |
| 1138020      | PL.32280    | B   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.75                     | 0.81         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 8.925                               | 0.000 | 12   | 2          | 1            | 1 |
| 113819       | PL.32282    | B   | Consumer           | 15.03Y    | 125.2        | 0.00            | 0.75                     | 0.66         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 8.874                               | 0.000 | 10   | 1          | 1            | 1 |
| PL.9247      | PL.9246     | B   | 4ACSR              | 15.03Y    | 125.3        | 0.00            | 0.75                     | 1.59         | 1        | 24         | 4       | 99         | 0.00      | 0.0               | 8.800                               | 0.115 | 0    | 0          | 0            | 1 |
| 113818       | PL.9247     | B   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.75                     | 1.59         | 0        | 24         | 4       | 99         | 0.00      | 0.0               | 8.800                               | 0.000 | 24   | 4          | 1            | 1 |
| PL.9245      | PL.27508    | B   | 4ACSR              | 15.03Y    | 125.3        | 0.00            | 0.74                     | 1.08         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 8.675                               | 0.050 | 0    | 0          | 0            | 1 |
| 113817       | PL.9245     | B   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.74                     | 1.08         | 0        | 16         | 2       | 99         | 0.00      | 0.0               | 8.675                               | 0.000 | 16   | 2          | 1            | 1 |
| PL.147       | PL.27508    | B   | 4ACSR              | 15.03Y    | 125.3        | 0.00            | 0.74                     | 1.12         | 1        | 17         | 3       | 98         | 0.00      | 0.0               | 8.714                               | 0.088 | 0    | 0          | 0            | 1 |
| 113816       | PL.147      | B   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.74                     | 1.12         | 0        | 17         | 3       | 98         | 0.00      | 0.0               | 8.714                               | 0.000 | 17   | 3          | 1            | 1 |
| 113808       | PL.27508    | B   | Consumer           | 15.03Y    | 125.3        | 0.00            | 0.74                     | 0.86         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 8.625                               | 0.000 | 13   | 2          | 1            | 1 |
| 113902       | PL.9243     | B   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.66                     | 0.04         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 8.069                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.5600      | PL.20209    | A   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.26                     | 1.33         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 6.770                               | 0.080 | 0    | 0          | 0            | 2 |
| PL.45864     | PL.5600     | A   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.26                     | 1.33         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 6.807                               | 0.037 | 0    | 0          | 0            | 2 |
| 1222035      | PL.45864    | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.26                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.807                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.45865     | PL.45864    | A   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.26                     | 1.33         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 6.870                               | 0.063 | 0    | 0          | 0            | 2 |
| PL.45866     | PL.45865    | A   | 2ACSR              | 15.09Y    | 125.7        | 0.00            | 0.26                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.912                               | 0.042 | 0    | 0          | 0            | 0 |
| 1222036      | PL.45866    | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.26                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.912                               | 0.000 | 0    | 0          | 0            | 0 |
| 122201       | PL.45865    | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.26                     | 1.05         | 0        | 16         | 2       | 99         | 0.00      | 0.0               | 6.870                               | 0.000 | 16   | 2          | 1            | 1 |
| PL.888       | PL.45865    | A   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.26                     | 0.29         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 6.909                               | 0.040 | 0    | 0          | 0            | 1 |
| PL.257       | PL.888      | A   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.26                     | 0.29         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 6.916                               | 0.007 | 0    | 0          | 0            | 1 |
| PL.256       | PL.257      | A   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.26                     | 0.29         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 6.997                               | 0.080 | 0    | 0          | 0            | 1 |
| 112905       | PL.256      | A   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.26                     | 0.29         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 6.997                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.16563     | PL.25309    | B   | 4ACSR              | 15.07Y    | 125.5        | 0.00            | 0.45                     | 0.57         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 6.602                               | 0.020 | 0    | 0          | 0            | 1 |
| PD.636       | PL.16563    | B   | fuse6AMP           | 15.07Y    | 125.5        | 0.00            | 0.45                     | 0.57         | 10       | 9          | 1       | 99         | 0.00      | 0.0               | 6.602                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.16564     | PD.636      | B   | 4ACSR              | 15.07Y    | 125.5        | 0.00            | 0.46                     | 0.57         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 6.744                               | 0.141 | 0    | 0          | 0            | 1 |
| PL.887       | PL.16564    | B   | 4ACSR              | 15.07Y    | 125.5        | 0.00            | 0.46                     | 0.57         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 6.846                               | 0.102 | 0    | 0          | 0            | 1 |
| 122223       | PL.887      | B   | Consumer           | 15.07Y    | 125.5        | 0.00            | 0.46                     | 0.57         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 6.846                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.16565     | PL.25312    | C   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.380                               | 0.010 | 0    | 0          | 0            | 0 |
| PD.643       | PL.16565    | C   | fuse6AMP           | 15.09Y    | 125.7        | 0.00            | 0.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.380                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.16566     | PD.643      | C   | 4ACSR              | 15.09Y    | 125.7        | 0.00            | 0.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.504                               | 0.124 | 0    | 0          | 0            | 0 |
| 123205       | PL.16566    | C   | Consumer           | 15.09Y    | 125.7        | 0.00            | 0.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.504                               | 0.000 | 0    | 0          | 0            | 0 |
| 123212       | PL.5627     | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.44                     | 0.93         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 6.340                               | 0.000 | 14   | 2          | 1            | 1 |
| 123213       | PL.43482    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.44                     | 0.51         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 6.302                               | 0.000 | 8    | 1          | 1            | 1 |
| 123201       | PL.43482    | B   | Consumer           | 15.07Y    | 125.6        | 0.00            | 0.44                     | 0.25         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 6.302                               | 0.000 | 4    | 1          | 1            | 1 |
| 124205       | PL.8550     | A   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14                     | 0.37         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 4.930                               | 0.000 | 6    | 1          | 1            | 1 |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.16585     | PL.8749     | C   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.24                     | 0.31         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.500                               | 0.013 | 0    | 0          | 0            | 1         |
| PD.901       | PL.16585    | C   | fuse6AMP           | 15.09Y    | 125.8        | 0.00            | 0.24                     | 0.31         | 5        | 5          | 1    | 98      | 0.00       | 0.0               | 4.500                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.16586     | PD.901      | C   | 4ACSR              | 15.09Y    | 125.8        | 0.00            | 0.24                     | 0.31         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.573                               | 0.073 | 0    | 0          | 0            | 1         |
| 124202       | PL.16586    | C   | Consumer           | 15.09Y    | 125.8        | 0.00            | 0.24                     | 0.31         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.573                               | 0.000 | 5    | 1          | 1            | 1         |
| 115911       | PL.8745     | C   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.16         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.054                               | 0.000 | 2    | 0          | 1            | 1         |
| 115931       | PL.8745     | C   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.73         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 4.054                               | 0.000 | 11   | 2          | 1            | 1         |
| PL.17572     | PL.8745     | C   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.80         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 4.073                               | 0.019 | 0    | 0          | 0            | 3         |
| PD.819       | PL.17572    | C   | fuse6AMP           | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.80         | 14       | 12         | 2    | 99      | 0.00       | 0.0               | 4.073                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.17573     | PD.819      | C   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.80         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 4.155                               | 0.083 | 0    | 0          | 0            | 3         |
| PL.5424      | PL.17573    | C   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.185                               | 0.030 | 0    | 0          | 0            | 1         |
| PL.684       | PL.5424     | C   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.187                               | 0.002 | 0    | 0          | 0            | 0         |
| PL.129       | PL.5424     | C   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.232                               | 0.047 | 0    | 0          | 0            | 1         |
| 114903       | PL.129      | C   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.232                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.128       | PL.129      | C   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.301                               | 0.069 | 0    | 0          | 0            | 0         |
| 115919       | PL.17573    | C   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.41         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.155                               | 0.000 | 6    | 1          | 1            | 1         |
| 115935       | PL.17573    | C   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.20                     | 0.39         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 4.155                               | 0.000 | 6    | 1          | 1            | 1         |
| 115905       | PL.8742     | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 0.28         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.502                               | 0.000 | 4    | 1          | 1            | 1         |
| PL.17800     | PL.8742     | C   | 4ACSR              | 15.10Y    | 125.9        | 0.00            | 0.13                     | 1.85         | 1        | 28         | 4    | 99      | 0.00       | 0.0               | 3.528                               | 0.026 | 0    | 0          | 0            | 4         |
| PD.836       | PL.17800    | C   | fuse6AMP           | 15.10Y    | 125.9        | 0.00            | 0.13                     | 1.85         | 32       | 28         | 4    | 99      | 0.00       | 0.0               | 3.528                               | 0.000 | 0    | 0          | 0            | 4         |
| PL.17801     | PD.836      | C   | 4ACSR              | 15.10Y    | 125.9        | 0.01            | 0.14                     | 1.85         | 1        | 28         | 4    | 99      | 0.00       | 0.0               | 3.684                               | 0.156 | 0    | 0          | 0            | 4         |
| PL.23656     | PL.17801    | C   | 4ACSR              | 15.10Y    | 125.8        | 0.02            | 0.16                     | 1.09         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 4.388                               | 0.704 | 0    | 0          | 0            | 1         |
| PL.23657     | PL.23656    | C   | 4ACSR              | 15.10Y    | 125.8        | 0.00            | 0.16                     | 1.09         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 4.442                               | 0.054 | 0    | 0          | 0            | 1         |
| 115818       | PL.23657    | C   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.16                     | 1.09         | 0        | 16         | 2    | 99      | 0.00       | 0.0               | 4.442                               | 0.000 | 16   | 2          | 1            | 1         |
| 115925       | PL.17801    | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14                     | 0.51         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 3.684                               | 0.000 | 8    | 1          | 1            | 1         |
| 115915       | PL.17801    | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.684                               | 0.000 | 0    | 0          | 1            | 1         |
| 115903       | PL.17801    | C   | Consumer           | 15.10Y    | 125.9        | 0.00            | 0.14                     | 0.24         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 3.684                               | 0.000 | 4    | 1          | 1            | 1         |
| PL.17798     | PL.25444    | A   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | 0.04                     | 0.81         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 3.288                               | 0.020 | 0    | 0          | 0            | 3         |
| PD.835       | PL.17798    | A   | fuse6AMP           | 15.12Y    | 126.0        | 0.00            | 0.04                     | 0.81         | 14       | 12         | 2    | 99      | 0.00       | 0.0               | 3.288                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.17799     | PD.835      | A   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | 0.04                     | 0.81         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 3.338                               | 0.050 | 0    | 0          | 0            | 3         |
| PL.682       | PL.17799    | A   | 4ACSR              | 15.11Y    | 126.0        | 0.00            | 0.04                     | 0.81         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 3.392                               | 0.054 | 0    | 0          | 0            | 3         |
| 115934       | PL.682      | A   | Consumer           | 15.11Y    | 126.0        | 0.00            | 0.04                     | 0.07         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.392                               | 0.000 | 1    | 0          | 1            | 1         |
| 115918       | PL.682      | A   | Consumer           | 15.11Y    | 126.0        | 0.00            | 0.04                     | 0.07         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 3.392                               | 0.000 | 1    | 0          | 1            | 1         |
| 115901       | PL.682      | A   | Consumer           | 15.11Y    | 126.0        | 0.00            | 0.04                     | 0.68         | 0        | 10         | 2    | 98      | 0.00       | 0.0               | 3.392                               | 0.000 | 10   | 2          | 1            | 1         |
| PL.27677     | PL.25442    | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.07                     | 0.42         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.107                               | 0.016 | 0    | 0          | 0            | 2         |
| PD.837       | PL.27677    | C   | fuse6AMP           | 15.11Y    | 125.9        | 0.00            | 0.07                     | 0.42         | 7        | 6          | 1    | 99      | 0.00       | 0.0               | 3.107                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.27678     | PD.837      | C   | 4ACSR              | 15.11Y    | 125.9        | 0.00            | 0.07                     | 0.42         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.154                               | 0.047 | 0    | 0          | 0            | 2         |
| 115924       | PL.27678    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.07                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 3.154                               | 0.000 | 6    | 1          | 1            | 1         |
| 115923       | PL.27678    | C   | Consumer           | 15.11Y    | 125.9        | 0.00            | 0.07                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 3.154                               | 0.000 | 0    | 0          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| PL.17255     | PL.25437    | C   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | 0.01   | 0.74         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 2.734                               | 0.018 | 0    | 0          | 0            | 2   |
| PD.838       | PL.17255    | C   | fuse6AMP           | 15.12Y    | 126.0        | 0.00            | 0.01   | 0.74         | 13       | 11         | 2       | 98         | 0.00      | 0.0               | 2.734                               | 0.000 | 0    | 0          | 0            | 2   |
| PL.17256     | PD.838      | C   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | 0.01   | 0.74         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 2.777                               | 0.043 | 0    | 0          | 0            | 2   |
| PL.681       | PL.17256    | C   | 4ACSR              | 15.12Y    | 126.0        | 0.00            | 0.01   | 0.11         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.820                               | 0.043 | 0    | 0          | 0            | 1   |
| 115855       | PL.681      | C   | Consumer           | 15.12Y    | 126.0        | 0.00            | 0.01   | 0.11         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.820                               | 0.000 | 2    | 0          | 1            | 1   |
| 115856       | PL.17256    | C   | Consumer           | 15.12Y    | 126.0        | 0.00            | 0.01   | 0.63         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.777                               | 0.000 | 9    | 1          | 1            | 1   |
| 115843       | PL.25436    | B   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.50   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.637                               | 0.000 | 0    | 0          | 0            | 0   |
| 115844       | PL.25436    | B   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.50   | 1.00         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 2.637                               | 0.000 | 15   | 2          | 1            | 1   |
| 115835       | PL.25436    | B   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.50   | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.637                               | 0.000 | 8    | 1          | 1            | 1   |
| PL.17762     | PL.25435    | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.57   | 2.03         | 1        | 30         | 5       | 99         | 0.00      | 0.0               | 2.566                               | 0.008 | 0    | 0          | 0            | 2   |
| PD.868       | PL.17762    | C   | fuse6AMP           | 14.93Y    | 124.4        | 0.00            | 1.57   | 2.03         | 35       | 30         | 5       | 99         | 0.00      | 0.0               | 2.566                               | 0.000 | 0    | 0          | 0            | 2   |
| PL.17763     | PD.868      | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.57   | 2.03         | 1        | 30         | 5       | 99         | 0.00      | 0.0               | 2.580                               | 0.014 | 0    | 0          | 0            | 2   |
| PL.674       | PL.17763    | C   | 4ACSR              | 14.93Y    | 124.4        | 0.00            | 1.57   | 2.03         | 1        | 30         | 5       | 99         | 0.00      | 0.0               | 2.598                               | 0.018 | 0    | 0          | 0            | 2   |
| 115846       | PL.674      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.57   | 1.15         | 0        | 17         | 3       | 98         | 0.00      | 0.0               | 2.598                               | 0.000 | 17   | 3          | 1            | 1   |
| 115847       | PL.674      | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.57   | 0.88         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 2.598                               | 0.000 | 13   | 2          | 1            | 1   |
| 115816       | PL.25434    | C   | Consumer           | 14.93Y    | 124.4        | 0.00            | 1.56   | 0.22         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.515                               | 0.000 | 3    | 0          | 1            | 1   |
| PL.17682     | PL.25433    | C   | 4ACSR              | 14.93Y    | 124.5        | 0.00            | 1.55   | 1.12         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 2.473                               | 0.009 | 0    | 0          | 0            | 1   |
| PD.869       | PL.17682    | C   | fuse6AMP           | 14.93Y    | 124.5        | 0.00            | 1.55   | 1.12         | 19       | 17         | 2       | 99         | 0.00      | 0.0               | 2.473                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.17683     | PD.869      | C   | 4ACSR              | 14.93Y    | 124.5        | 0.00            | 1.55   | 1.12         | 1        | 17         | 2       | 99         | 0.00      | 0.0               | 2.498                               | 0.024 | 0    | 0          | 0            | 1   |
| 115858       | PL.17683    | C   | Consumer           | 14.93Y    | 124.5        | 0.00            | 1.55   | 1.12         | 0        | 17         | 2       | 99         | 0.00      | 0.0               | 2.498                               | 0.000 | 17   | 2          | 1            | 1   |
| PL.17595     | PL.25429    | C   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.49   | 0.79         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 2.143                               | 0.013 | 0    | 0          | 0            | 2   |
| PD.842       | PL.17595    | C   | fuse6AMP           | 14.94Y    | 124.5        | 0.00            | 1.49   | 0.79         | 14       | 12         | 2       | 99         | 0.00      | 0.0               | 2.143                               | 0.000 | 0    | 0          | 0            | 2   |
| PL.17596     | PD.842      | C   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.49   | 0.79         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 2.187                               | 0.044 | 0    | 0          | 0            | 2   |
| 115810       | PL.17596    | C   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.49   | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.187                               | 0.000 | 5    | 1          | 1            | 1   |
| 115833       | PL.17596    | C   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.49   | 0.45         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.187                               | 0.000 | 7    | 1          | 1            | 1   |
| 115813       | PL.5412     | A   | Consumer           | 14.96Y    | 124.6        | 0.00            | 1.36   | 0.42         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.106                               | 0.000 | 6    | 1          | 1            | 1   |
| 115812       | PL.5412     | A   | Consumer           | 14.96Y    | 124.6        | 0.00            | 1.36   | 0.41         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.106                               | 0.000 | 6    | 1          | 1            | 1   |
| 115834       | PL.5412     | A   | Consumer           | 14.96Y    | 124.6        | 0.00            | 1.36   | 0.32         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.106                               | 0.000 | 5    | 1          | 1            | 1   |
| 1168108      | PL.30785    | B   | Consumer           | 14.97Y    | 124.8        | 0.00            | 1.23   | 0.92         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 1.922                               | 0.000 | 14   | 2          | 1            | 1   |
| PL.18499     | PL.5406     | B   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.21   | 0.63         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 1.884                               | 0.011 | 0    | 0          | 0            | 3   |
| PD.845       | PL.18499    | B   | fuse6AMP           | 14.98Y    | 124.8        | 0.00            | 1.21   | 0.63         | 11       | 9          | 2       | 98         | 0.00      | 0.0               | 1.884                               | 0.000 | 0    | 0          | 0            | 3   |
| PL.18500     | PD.845      | B   | 4ACSR              | 14.98Y    | 124.8        | 0.00            | 1.21   | 0.63         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 1.904                               | 0.020 | 0    | 0          | 0            | 3   |
| 116844       | PL.18500    | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.21   | 0.17         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 1.904                               | 0.000 | 2    | 1          | 1            | 1   |
| 116865       | PL.18500    | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.21   | 0.44         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.904                               | 0.000 | 7    | 1          | 1            | 1   |
| 116825       | PL.18500    | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.21   | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.904                               | 0.000 | 0    | 0          | 1            | 1   |
| 116883       | PL.5406     | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.21   | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.873                               | 0.000 | 0    | 0          | 1            | 1   |
| 116890       | PL.5406     | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.21   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.873                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.37593     | PL.22       | A   | 4ACSR              | 14.96Y    | 124.7        | 0.01            | 1.33   | 54.16        | 28       | 798        | 140     | 98         | 0.04      | 0.0               | 1.827                               | 0.005 | 0    | 0          | 0            | 100 |



Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PD.6152-A, PL.37594, PD.3296, etc.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.8888      | PL.37576    | A   | 4ACSR              | 14.92Y    | 124.4        | 0.03            | 1.64                     | 44.72        | 23       | 660        | 101  | 99      | 0.14       | 0.0               | 2.116                               | 0.028 | 0    | 0          | 0            | 87        |
| PL.17603     | PL.8888     | A   | 4ACSR              | 14.92Y    | 124.4        | 0.00            | 1.64                     | 3.71         | 2        | 55         | 8    | 99      | 0.00       | 0.0               | 2.128                               | 0.012 | 0    | 0          | 0            | 5         |
| PD.852       | PL.17603    | A   | fuse6AMP           | 14.92Y    | 124.4        | 0.00            | 1.64                     | 3.71         | 63       | 55         | 8    | 99      | 0.00       | 0.0               | 2.128                               | 0.000 | 0    | 0          | 0            | 5         |
| PL.17604     | PD.852      | A   | 4ACSR              | 14.92Y    | 124.4        | 0.00            | 1.64                     | 3.71         | 2        | 55         | 8    | 99      | 0.00       | 0.0               | 2.136                               | 0.008 | 0    | 0          | 0            | 5         |
| 116858       | PL.17604    | A   | Consumer           | 14.92Y    | 124.4        | 0.00            | 1.64                     | 0.89         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 2.136                               | 0.000 | 13   | 2          | 1            | 1         |
| PL.8889      | PL.17604    | A   | 4ACSR              | 14.92Y    | 124.4        | 0.00            | 1.65                     | 2.82         | 1        | 42         | 6    | 99      | 0.00       | 0.0               | 2.165                               | 0.029 | 0    | 0          | 0            | 4         |
| PL.5407      | PL.8889     | A   | 4ACSR              | 14.92Y    | 124.4        | 0.00            | 1.65                     | 1.13         | 1        | 17         | 3    | 98      | 0.00       | 0.0               | 2.204                               | 0.039 | 0    | 0          | 0            | 2         |
| PL.662       | PL.5407     | A   | 4ACSR              | 14.92Y    | 124.4        | 0.00            | 1.65                     | 0.73         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 2.238                               | 0.034 | 0    | 0          | 0            | 1         |
| 116857       | PL.662      | A   | Consumer           | 14.92Y    | 124.4        | 0.00            | 1.65                     | 0.73         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 2.238                               | 0.000 | 11   | 2          | 1            | 1         |
| 116817       | PL.5407     | A   | Consumer           | 14.92Y    | 124.4        | 0.00            | 1.65                     | 0.40         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 2.204                               | 0.000 | 6    | 1          | 1            | 1         |
| 116861       | PL.8889     | A   | Consumer           | 14.92Y    | 124.4        | 0.00            | 1.65                     | 0.73         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 2.165                               | 0.000 | 11   | 2          | 1            | 1         |
| 116859       | PL.8889     | A   | Consumer           | 14.92Y    | 124.4        | 0.00            | 1.65                     | 0.96         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 2.165                               | 0.000 | 14   | 2          | 1            | 1         |
| PL.8890      | PL.8888     | A   | 4ACSR              | 14.92Y    | 124.3        | 0.03            | 1.67                     | 40.40        | 21       | 596        | 91   | 99      | 0.14       | 0.0               | 2.152                               | 0.036 | 0    | 0          | 0            | 81        |
| PL.17597     | PL.8890     | A   | 4ACSR              | 14.92Y    | 124.3        | 0.00            | 1.67                     | 0.66         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 2.160                               | 0.009 | 0    | 0          | 0            | 3         |
| PD.853       | PL.17597    | A   | fuse6AMP           | 14.92Y    | 124.3        | 0.00            | 1.67                     | 0.66         | 11       | 10         | 1    | 100     | 0.00       | 0.0               | 2.160                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.17598     | PD.853      | A   | 4ACSR              | 14.92Y    | 124.3        | 0.00            | 1.68                     | 0.66         | 0        | 10         | 1    | 100     | 0.00       | 0.0               | 2.204                               | 0.044 | 0    | 0          | 0            | 3         |
| 116882       | PL.17598    | A   | Consumer           | 14.92Y    | 124.3        | 0.00            | 1.68                     | 0.53         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 2.204                               | 0.000 | 8    | 1          | 1            | 1         |
| PL.5400      | PL.17598    | A   | 4ACSR              | 14.92Y    | 124.3        | 0.00            | 1.68                     | 0.12         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 2.260                               | 0.056 | 0    | 0          | 0            | 2         |
| 116885       | PL.5400     | A   | Consumer           | 14.92Y    | 124.3        | 0.00            | 1.68                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 2.260                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.36772     | PL.5400     | A   | 2ACSR              | 14.92Y    | 124.3        | 0.00            | 1.68                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.302                               | 0.042 | 0    | 0          | 0            | 1         |
| 1168111      | PL.36772    | A   | Consumer           | 14.92Y    | 124.3        | 0.00            | 1.68                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.302                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.8891      | PL.8890     | A   | 4ACSR              | 14.91Y    | 124.3        | 0.05            | 1.73                     | 39.74        | 20       | 586        | 90   | 99      | 0.23       | 0.0               | 2.213                               | 0.061 | 0    | 0          | 0            | 78        |
| PL.8892      | PL.8891     | A   | 4ACSR              | 14.90Y    | 124.2        | 0.08            | 1.80                     | 36.33        | 19       | 536        | 82   | 99      | 0.31       | 0.1               | 2.311                               | 0.098 | 0    | 0          | 0            | 73        |
| PL.17607     | PL.8892     | A   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.80                     | 0.25         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.317                               | 0.006 | 0    | 0          | 0            | 1         |
| PD.856       | PL.17607    | A   | fuse6AMP           | 14.90Y    | 124.2        | 0.00            | 1.80                     | 0.25         | 4        | 4          | 1    | 97      | 0.00       | 0.0               | 2.317                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.17608     | PD.856      | A   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.80                     | 0.25         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.505                               | 0.188 | 0    | 0          | 0            | 1         |
| 116822       | PL.17608    | A   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.80                     | 0.25         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 2.505                               | 0.000 | 4    | 1          | 1            | 1         |
| PL.17609     | PL.8892     | A   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.80                     | 6.27         | 3        | 92         | 14   | 99      | 0.00       | 0.0               | 2.318                               | 0.007 | 0    | 0          | 0            | 7         |
| C PD.855     | PL.17609    | A   | fuse6AMP           | 14.90Y    | 124.2        | 0.00            | 1.80                     | 6.27         | 107      | 92         | 14   | 99      | 0.00       | 0.0               | 2.318                               | 0.000 | 0    | 0          | 0            | 7 C       |
| PL.17610     | PD.855      | A   | 4ACSR              | 14.90Y    | 124.2        | 0.01            | 1.81                     | 6.27         | 3        | 92         | 14   | 99      | 0.01       | 0.0               | 2.396                               | 0.078 | 0    | 0          | 0            | 7         |
| PL.23671     | PL.17610    | A   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.82                     | 2.11         | 1        | 31         | 5    | 99      | 0.00       | 0.0               | 2.470                               | 0.073 | 0    | 0          | 0            | 2         |
| PL.696       | PL.23671    | A   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.82                     | 2.11         | 1        | 31         | 5    | 99      | 0.00       | 0.0               | 2.525                               | 0.056 | 0    | 0          | 0            | 2         |
| 1168100      | PL.696      | A   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.82                     | 1.01         | 0        | 15         | 2    | 99      | 0.00       | 0.0               | 2.525                               | 0.000 | 15   | 2          | 1            | 1         |
| PL.699       | PL.696      | A   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.82                     | 1.10         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 2.568                               | 0.042 | 0    | 0          | 0            | 1         |
| 1168105      | PL.699      | A   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.82                     | 1.10         | 0        | 16         | 2    | 99      | 0.00       | 0.0               | 2.568                               | 0.000 | 16   | 2          | 1            | 1         |
| 116837       | PL.23671    | A   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.82                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 2.470                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.23669     | PL.17610    | A   | 4ACSR              | 14.90Y    | 124.2        | 0.00            | 1.82                     | 0.80         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 2.433                               | 0.037 | 0    | 0          | 0            | 1         |
| 116849       | PL.23669    | A   | Consumer           | 14.90Y    | 124.2        | 0.00            | 1.82                     | 0.80         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 2.433                               | 0.000 | 12   | 2          | 1            | 1         |

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| 116944       | PL.691      | A   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.22                     | 1.05         | 0        | 15         | 2       | 99         | 0.00      | 0.0               | 3.224                               | 0.000 | 15   | 2          | 1            | 1  |
| PL.17621     | PL.8899     | A   | 4ACSR              | 14.85Y    | 123.8        | 0.00            | 2.21                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.009                               | 0.016 | 0    | 0          | 0            | 0  |
| PD.861       | PL.17621    | A   | fuse6AMP           | 14.85Y    | 123.8        | 0.00            | 2.21                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.009                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.17622     | PD.861      | A   | 4ACSR              | 14.85Y    | 123.8        | 0.00            | 2.21                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.102                               | 0.093 | 0    | 0          | 0            | 0  |
| 116922       | PL.17622    | A   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.21                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.102                               | 0.000 | 0    | 0          | 0            | 0  |
| 116906       | PL.17622    | A   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.21                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.102                               | 0.000 | 0    | 0          | 0            | 0  |
| 116907       | PL.17622    | A   | Consumer           | 14.85Y    | 123.8        | 0.00            | 2.21                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.102                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.8900      | PL.8899     | A   | 4ACSR              | 14.85Y    | 123.8        | 0.03            | 2.24                     | 22.78        | 12       | 335        | 51      | 99         | 0.07      | 0.0               | 3.052                               | 0.058 | 0    | 0          | 0            | 51 |
| PL.5430      | PL.8900     | A   | 4ACSR              | 14.85Y    | 123.7        | 0.01            | 2.26                     | 21.16        | 11       | 311        | 47      | 99         | 0.03      | 0.0               | 3.083                               | 0.032 | 0    | 0          | 0            | 50 |
| PL.17623     | PL.5430     | A   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.26                     | 1.35         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 3.092                               | 0.009 | 0    | 0          | 0            | 4  |
| PD.862       | PL.17623    | A   | fuse6AMP           | 14.85Y    | 123.7        | 0.00            | 2.26                     | 1.35         | 23       | 20         | 3       | 99         | 0.00      | 0.0               | 3.092                               | 0.000 | 0    | 0          | 0            | 4  |
| PL.17624     | PD.862      | A   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.26                     | 1.35         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 3.168                               | 0.076 | 0    | 0          | 0            | 4  |
| PL.23672     | PL.17624    | A   | 4ACSR              | 14.85Y    | 123.7        | 0.00            | 2.26                     | 1.06         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 3.223                               | 0.056 | 0    | 0          | 0            | 2  |
| 116924       | PL.23672    | A   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.26                     | 0.40         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.223                               | 0.000 | 6    | 1          | 1            | 1  |
| 116935       | PL.23672    | A   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.26                     | 0.66         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 3.223                               | 0.000 | 10   | 1          | 1            | 1  |
| 116928       | PL.17624    | A   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.26                     | 0.28         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.168                               | 0.000 | 4    | 1          | 1            | 1  |
| 116918       | PL.17624    | A   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.26                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.168                               | 0.000 | 0    | 0          | 1            | 1  |
| 116943       | PL.5430     | A   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.26                     | 0.72         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 3.083                               | 0.000 | 11   | 2          | 1            | 1  |
| 116908       | PL.5430     | A   | Consumer           | 14.85Y    | 123.7        | 0.00            | 2.26                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.083                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.5425      | PL.5430     | A   | 4ACSR              | 14.84Y    | 123.7        | 0.07            | 2.32                     | 19.07        | 10       | 280        | 42      | 99         | 0.14      | 0.0               | 3.243                               | 0.160 | 0    | 0          | 0            | 44 |
| 116909       | PL.5425     | A   | Consumer           | 14.84Y    | 123.7        | 0.00            | 2.32                     | 0.17         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.243                               | 0.000 | 3    | 0          | 1            | 1  |
| PL.8901      | PL.5425     | A   | 4ACSR              | 14.84Y    | 123.6        | 0.03            | 2.35                     | 16.09        | 8        | 236        | 36      | 99         | 0.05      | 0.0               | 3.327                               | 0.084 | 0    | 0          | 0            | 39 |
| PL.8902      | PL.8901     | A   | 4ACSR              | 14.83Y    | 123.6        | 0.06            | 2.41                     | 13.73        | 7        | 201        | 31      | 99         | 0.09      | 0.0               | 3.518                               | 0.191 | 0    | 0          | 0            | 35 |
| PL.27449     | PL.8902     | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.41                     | 2.45         | 1        | 36         | 5       | 99         | 0.00      | 0.0               | 3.531                               | 0.013 | 0    | 0          | 0            | 9  |
| PD.865       | PL.27449    | A   | fuse6AMP           | 14.83Y    | 123.6        | 0.00            | 2.41                     | 2.45         | 42       | 36         | 5       | 99         | 0.00      | 0.0               | 3.531                               | 0.000 | 0    | 0          | 0            | 9  |
| PL.27450     | PD.865      | A   | 4ACSR              | 14.83Y    | 123.6        | 0.01            | 2.41                     | 2.45         | 1        | 36         | 5       | 99         | 0.00      | 0.0               | 3.627                               | 0.096 | 0    | 0          | 0            | 9  |
| 116926       | PL.27450    | A   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.627                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.29571     | PL.27450    | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.41                     | 2.45         | 1        | 36         | 5       | 99         | 0.00      | 0.0               | 3.661                               | 0.034 | 0    | 0          | 0            | 9  |
| PL.657       | PL.29571    | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.42                     | 1.37         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 3.734                               | 0.073 | 0    | 0          | 0            | 5  |
| 116931       | PL.657      | A   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.34         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.734                               | 0.000 | 5    | 1          | 1            | 1  |
| PL.23663     | PL.657      | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.42                     | 1.03         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 3.769                               | 0.034 | 0    | 0          | 0            | 4  |
| PL.23666     | PL.23663    | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.816                               | 0.047 | 0    | 0          | 0            | 2  |
| PL.23665     | PL.23666    | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.883                               | 0.067 | 0    | 0          | 0            | 2  |
| PL.23664     | PL.23665    | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 3.952                               | 0.069 | 0    | 0          | 0            | 2  |
| 116940       | PL.23664    | A   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.952                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.689       | PL.23664    | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.050                               | 0.098 | 0    | 0          | 0            | 1  |
| 116942       | PL.689      | A   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.58         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 4.050                               | 0.000 | 9    | 1          | 1            | 1  |
| 116934       | PL.23663    | A   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.42         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.769                               | 0.000 | 6    | 1          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |               |              |          |                | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | mi<br>From<br>Src | -----Element----- |      | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|---------------|--------------|----------|----------------|------------|------|---------|------------|-----------|-------------------|-------------------|------|------------|--------------|
|              |             |     |                    |           |              |                 | -Base Voltage:120.0-     | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Length<br>(mi) |            |      |         |            |           |                   | KW                | KVAR |            |              |
| 116932       | PL.23663    | A   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.02          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 3.769      | 0.000     | 0                 | 0                 | 1    | 1          |              |
| PL.23667     | PL.29571    | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.42                     | 1.08          | 1            | 16       | 2              | 99         | 0.00 | 0.0     | 3.757      | 0.096     | 0                 | 0                 | 0    | 4          |              |
| 116929       | PL.23667    | A   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 3.757      | 0.000     | 0                 | 0                 | 1    | 1          |              |
| PL.23668     | PL.23667    | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.42                     | 1.08          | 1            | 16       | 2              | 99         | 0.00 | 0.0     | 3.923      | 0.166     | 0                 | 0                 | 0    | 3          |              |
| 116912       | PL.23668    | A   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.26          | 0            | 4        | 1              | 97         | 0.00 | 0.0     | 3.923      | 0.000     | 4                 | 1                 | 1    | 1          |              |
| 116930       | PL.23668    | A   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.56          | 0            | 8        | 1              | 99         | 0.00 | 0.0     | 3.923      | 0.000     | 8                 | 1                 | 1    | 1          |              |
| 116941       | PL.23668    | A   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.27          | 0            | 4        | 1              | 97         | 0.00 | 0.0     | 3.923      | 0.000     | 4                 | 1                 | 1    | 1          |              |
| PL.27451     | PL.8902     | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.41                     | 1.65          | 1            | 24       | 4              | 99         | 0.00 | 0.0     | 3.527      | 0.009     | 0                 | 0                 | 0    | 2          |              |
| PD.866       | PL.27451    | A   | fuse6AMP           | 14.83Y    | 123.6        | 0.00            | 2.41                     | 1.65          | 28           | 24       | 4              | 99         | 0.00 | 0.0     | 3.527      | 0.000     | 0                 | 0                 | 0    | 2          |              |
| PL.27452     | PD.866      | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.41                     | 1.65          | 1            | 24       | 4              | 99         | 0.00 | 0.0     | 3.607      | 0.080     | 0                 | 0                 | 0    | 2          |              |
| PL.652       | PL.27452    | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.41                     | 1.65          | 1            | 24       | 4              | 99         | 0.00 | 0.0     | 3.670      | 0.063     | 0                 | 0                 | 0    | 2          |              |
| 116937       | PL.652      | A   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.41                     | 0.67          | 0            | 10       | 1              | 100        | 0.00 | 0.0     | 3.670      | 0.000     | 10                | 1                 | 1    | 1          |              |
| PL.33110     | PL.652      | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.98          | 1            | 14       | 2              | 99         | 0.00 | 0.0     | 3.822      | 0.152     | 0                 | 0                 | 0    | 1          |              |
| 1169047      | PL.33110    | A   | Consumer           | 14.83Y    | 123.6        | 0.00            | 2.42                     | 0.98          | 0            | 14       | 2              | 99         | 0.00 | 0.0     | 3.822      | 0.000     | 14                | 2                 | 1    | 1          |              |
| PL.8703      | PL.27452    | A   | 4ACSR              | 14.83Y    | 123.6        | 0.00            | 2.41                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 3.819      | 0.212     | 0                 | 0                 | 0    | 0          |              |
| PL.8702      | PL.8902     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.06            | 2.47                     | 9.63          | 5            | 141      | 21             | 99         | 0.07 | 0.0     | 3.831      | 0.314     | 0                 | 0                 | 0    | 24         |              |
| PL.27453     | PL.8702     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.22          | 0            | 3        | 0              | 100        | 0.00 | 0.0     | 3.841      | 0.009     | 0                 | 0                 | 0    | 4          |              |
| PD.56-A      | PL.27453    | A   | Closed             | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.22          | 0            | 3        | 0              | 100        | 0.00 | 0.0     | 3.841      | 0.000     | 0                 | 0                 | 0    | 4          |              |
| PD.56-B      | PD.56-A     | A   | Closed             | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.22          | 0            | 3        | 0              | 100        | 0.00 | 0.0     | 3.841      | 0.000     | 0                 | 0                 | 0    | 4          |              |
| PL.27454     | PD.56-B     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.22          | 0            | 3        | 0              | 100        | 0.00 | 0.0     | 3.881      | 0.041     | 0                 | 0                 | 0    | 4          |              |
| PL.37577     | PL.27454    | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.22          | 0            | 3        | 0              | 100        | 0.00 | 0.0     | 3.888      | 0.006     | 0                 | 0                 | 0    | 3          |              |
| PL.37578     | PL.37577    | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.22          | 0            | 3        | 0              | 100        | 0.00 | 0.0     | 3.936      | 0.049     | 0                 | 0                 | 0    | 3          |              |
| 116938       | PL.37578    | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 3.936      | 0.000     | 0                 | 0                 | 1    | 1          |              |
| PL.666       | PL.37578    | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.22          | 0            | 3        | 0              | 100        | 0.00 | 0.0     | 3.974      | 0.038     | 0                 | 0                 | 0    | 2          |              |
| 116919       | PL.666      | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.22          | 0            | 3        | 0              | 100        | 0.00 | 0.0     | 3.974      | 0.000     | 3                 | 0                 | 1    | 1          |              |
| 116939       | PL.666      | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 3.974      | 0.000     | 0                 | 0                 | 1    | 1          |              |
| PL.8704      | PL.27454    | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 3.999      | 0.117     | 0                 | 0                 | 0    | 1          |              |
| PL.30        | PL.8704     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 4.064      | 0.066     | 0                 | 0                 | 0    | 1          |              |
| PL.326       | PL.30       | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 4.067      | 0.003     | 0                 | 0                 | 0    | 0          |              |
| PL.8705      | PL.30       | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 4.363      | 0.299     | 0                 | 0                 | 0    | 1          |              |
| PL.37729     | PL.8705     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 4.370      | 0.007     | 0                 | 0                 | 0    | 1          |              |
| PL.37730     | PL.37729    | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 4.401      | 0.031     | 0                 | 0                 | 0    | 1          |              |
| 127211       | PL.37730    | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 4.401      | 0.000     | 0                 | 0                 | 1    | 1          |              |
| PL.16595     | PL.8705     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 4.592      | 0.229     | 0                 | 0                 | 0    | 0          |              |
| PL.36560     | PL.16595    | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 4.602      | 0.010     | 0                 | 0                 | 0    | 0          |              |
| PL.36561     | PL.36560    | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 4.711      | 0.109     | 0                 | 0                 | 0    | 0          |              |
| PD.108-B     | PL.36561    | A   | Open               | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.00          | 0            | 0        | 0              | 100        | 0.00 | 0.0     | 4.711      | 0.000     | 0                 | 0                 | 0    | 0          |              |
| 116914       | PL.8702     | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.47                     | 0.25          | 0            | 4        | 1              | 97         | 0.00 | 0.0     | 3.831      | 0.000     | 4                 | 1                 | 1    | 1          |              |

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| 116921       | PL.8702     | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.47                     | 1.14         | 0        | 17         | 3    | 98      | 0.00       | 0.0               | 3.831                               | 0.000 | 17   | 3          | 1            | 1         |
| PL.27456     | PL.8702     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.47                     | 8.02         | 4        | 118        | 18   | 99      | 0.00       | 0.0               | 3.843                               | 0.012 | 0    | 0          | 0            | 18        |
| PD.55-A      | PL.27456    | A   | Closed             | 14.82Y    | 123.5        | 0.00            | 2.47                     | 8.02         | 0        | 118        | 18   | 99      | 0.00       | 0.0               | 3.843                               | 0.000 | 0    | 0          | 0            | 18        |
| PD.55-B      | PD.55-A     | A   | Closed             | 14.82Y    | 123.5        | 0.00            | 2.47                     | 8.02         | 0        | 118        | 18   | 99      | 0.00       | 0.0               | 3.843                               | 0.000 | 0    | 0          | 0            | 18        |
| PL.27455     | PD.55-B     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.48                     | 8.02         | 4        | 118        | 18   | 99      | 0.00       | 0.0               | 3.872                               | 0.029 | 0    | 0          | 0            | 18        |
| PL.5646      | PL.27455    | A   | 4ACSR              | 14.82Y    | 123.5        | 0.02            | 2.50                     | 8.02         | 4        | 118        | 18   | 99      | 0.01       | 0.0               | 3.969                               | 0.097 | 0    | 0          | 0            | 18        |
| PL.8758      | PL.5646     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.02            | 2.51                     | 7.12         | 4        | 104        | 16   | 99      | 0.01       | 0.0               | 4.068                               | 0.099 | 0    | 0          | 0            | 17        |
| 126212       | PL.8758     | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.51                     | 0.04         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.068                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.37579     | PL.8758     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.51                     | 1.15         | 1        | 17         | 3    | 98      | 0.00       | 0.0               | 4.077                               | 0.009 | 0    | 0          | 0            | 2         |
| PD.6141      | PL.37579    | A   | fuse6AMP           | 14.82Y    | 123.5        | 0.00            | 2.51                     | 1.15         | 20       | 17         | 3    | 98      | 0.00       | 0.0               | 4.077                               | 0.000 | 0    | 0          | 0            | 2         |
| PL.37580     | PD.6141     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.01            | 2.52                     | 1.15         | 1        | 17         | 3    | 98      | 0.00       | 0.0               | 4.302                               | 0.225 | 0    | 0          | 0            | 2         |
| 126209       | PL.37580    | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.52                     | 0.11         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 4.302                               | 0.000 | 2    | 0          | 1            | 1         |
| 127208       | PL.37580    | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.52                     | 1.04         | 0        | 15         | 2    | 99      | 0.00       | 0.0               | 4.302                               | 0.000 | 15   | 2          | 1            | 1         |
| PL.8760      | PL.8758     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.01            | 2.52                     | 5.92         | 3        | 87         | 13   | 99      | 0.01       | 0.0               | 4.163                               | 0.095 | 0    | 0          | 0            | 14        |
| PL.37582     | PL.8760     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.52                     | 2.50         | 1        | 37         | 6    | 99      | 0.00       | 0.0               | 4.173                               | 0.009 | 0    | 0          | 0            | 3         |
| PD.6142      | PL.37582    | A   | fuse6AMP           | 14.82Y    | 123.5        | 0.00            | 2.52                     | 2.50         | 43       | 37         | 6    | 99      | 0.00       | 0.0               | 4.173                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.37581     | PD.6142     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.53                     | 2.50         | 1        | 37         | 6    | 99      | 0.00       | 0.0               | 4.207                               | 0.034 | 0    | 0          | 0            | 3         |
| PL.918       | PL.37581    | A   | 4ACSR              | 14.82Y    | 123.5        | -0.00           | 2.53                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.242                               | 0.036 | 0    | 0          | 0            | 1         |
| 126204       | PL.918      | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.53                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.242                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.8765      | PL.37581    | A   | 4ACSR              | 14.82Y    | 123.5        | 0.01            | 2.53                     | 2.50         | 1        | 37         | 6    | 99      | 0.00       | 0.0               | 4.334                               | 0.127 | 0    | 0          | 0            | 2         |
| PL.8764      | PL.8765     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.53                     | 0.61         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.437                               | 0.103 | 0    | 0          | 0            | 1         |
| 126207       | PL.8764     | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.53                     | 0.61         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.437                               | 0.000 | 9    | 1          | 1            | 1         |
| PL.926       | PL.8765     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.01            | 2.54                     | 1.89         | 1        | 28         | 4    | 99      | 0.00       | 0.0               | 4.488                               | 0.155 | 0    | 0          | 0            | 1         |
| 126215       | PL.926      | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.54                     | 1.89         | 0        | 28         | 4    | 99      | 0.00       | 0.0               | 4.488                               | 0.000 | 28   | 4          | 1            | 1         |
| 126202       | PL.8760     | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.52                     | 0.93         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 4.163                               | 0.000 | 14   | 2          | 1            | 1         |
| 126206       | PL.8760     | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.52                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.163                               | 0.000 | 0    | 0          | 0            | 0         |
| 126214       | PL.8760     | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.52                     | 0.04         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.163                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.8759      | PL.8760     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.53                     | 2.31         | 1        | 34         | 5    | 99      | 0.00       | 0.0               | 4.221                               | 0.058 | 0    | 0          | 0            | 7         |
| 126213       | PL.8759     | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.53                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.221                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.8762      | PL.8759     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.53                     | 2.29         | 1        | 34         | 5    | 99      | 0.00       | 0.0               | 4.277                               | 0.055 | 0    | 0          | 0            | 6         |
| PL.8761      | PL.8762     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.53                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.310                               | 0.034 | 0    | 0          | 0            | 0         |
| PD.105-A     | PL.8761     | A   | Open               | 14.82Y    | 123.5        | 0.00            | 2.53                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.310                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.5647      | PL.8762     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.53                     | 1.54         | 1        | 23         | 3    | 99      | 0.00       | 0.0               | 4.278                               | 0.002 | 0    | 0          | 0            | 5         |
| 1262020      | PL.5647     | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.53                     | 0.46         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 4.278                               | 0.000 | 7    | 1          | 1            | 1         |
| 126211       | PL.5647     | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.53                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.278                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.5648      | PL.5647     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.53                     | 1.08         | 1        | 16         | 2    | 99      | 0.00       | 0.0               | 4.315                               | 0.036 | 0    | 0          | 0            | 4         |
| PL.917       | PL.5648     | A   | 4ACSR              | 14.82Y    | 123.5        | 0.00            | 2.53                     | 0.35         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 4.407                               | 0.092 | 0    | 0          | 0            | 2         |
| 126216       | PL.917      | A   | Consumer           | 14.82Y    | 123.5        | 0.00            | 2.53                     | 0.26         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 4.407                               | 0.000 | 4    | 1          | 1            | 1         |

Unbalanced Voltage Drop Report
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header 'Units Displayed In Volts -Base Voltage:120.0-'.

Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PD.857       | PL.17611    | A   | fuse6AMP           | 14.90Y    | 124.1        | 0.00            | 1.87   | 0.74         | 13       | 11         | 2       | 98         | 0.00      | 0.0               | 2.427                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.17612     | PD.857      | A   | 4ACSR              | 14.90Y    | 124.1        | 0.00            | 1.87   | 0.74         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 2.460                               | 0.033 | 0    | 0          | 0            | 2 |
| 116896       | PL.17612    | A   | Consumer           | 14.90Y    | 124.1        | 0.00            | 1.87   | 0.70         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 2.460                               | 0.000 | 10   | 2          | 1            | 1 |
| 116897       | PL.17612    | A   | Consumer           | 14.90Y    | 124.1        | 0.00            | 1.87   | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.460                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.17605     | PL.8891     | A   | 4ACSR              | 14.91Y    | 124.3        | 0.00            | 1.73   | 3.41         | 2        | 50         | 8       | 99         | 0.00      | 0.0               | 2.224                               | 0.011 | 0    | 0          | 0            | 5 |
| PD.854       | PL.17605    | A   | fuse6AMP           | 14.91Y    | 124.3        | 0.00            | 1.73   | 3.41         | 58       | 50         | 8       | 99         | 0.00      | 0.0               | 2.224                               | 0.000 | 0    | 0          | 0            | 5 |
| PL.17606     | PD.854      | A   | 4ACSR              | 14.91Y    | 124.3        | 0.00            | 1.73   | 3.41         | 2        | 50         | 8       | 99         | 0.00      | 0.0               | 2.291                               | 0.067 | 0    | 0          | 0            | 5 |
| 116860       | PL.17606    | A   | Consumer           | 14.91Y    | 124.3        | 0.00            | 1.73   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.291                               | 0.000 | 0    | 0          | 0            | 0 |
| 116884       | PL.17606    | A   | Consumer           | 14.91Y    | 124.3        | 0.00            | 1.73   | 0.11         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.291                               | 0.000 | 2    | 0          | 1            | 1 |
| 116845       | PL.17606    | A   | Consumer           | 14.91Y    | 124.3        | 0.00            | 1.73   | 1.41         | 0        | 21         | 3       | 99         | 0.00      | 0.0               | 2.291                               | 0.000 | 21   | 3          | 1            | 1 |
| PL.5408      | PL.17606    | A   | 4ACSR              | 14.91Y    | 124.3        | 0.00            | 1.73   | 1.90         | 1        | 28         | 4       | 99         | 0.00      | 0.0               | 2.317                               | 0.026 | 0    | 0          | 0            | 3 |
| PL.5409      | PL.5408     | A   | 4ACSR              | 14.91Y    | 124.3        | 0.00            | 1.73   | 1.36         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 2.346                               | 0.029 | 0    | 0          | 0            | 2 |
| 116856       | PL.5409     | A   | Consumer           | 14.91Y    | 124.3        | 0.00            | 1.73   | 0.65         | 0        | 10         | 1       | 100        | 0.00      | 0.0               | 2.346                               | 0.000 | 10   | 1          | 1            | 1 |
| 116855       | PL.5409     | A   | Consumer           | 14.91Y    | 124.3        | 0.00            | 1.73   | 0.71         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 2.346                               | 0.000 | 10   | 2          | 1            | 1 |
| 116854       | PL.5408     | A   | Consumer           | 14.91Y    | 124.3        | 0.00            | 1.73   | 0.54         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.317                               | 0.000 | 8    | 1          | 1            | 1 |
| 116852       | PL.8888     | A   | Consumer           | 14.92Y    | 124.4        | 0.00            | 1.64   | 0.61         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.116                               | 0.000 | 9    | 1          | 1            | 1 |
| PL.17578     | PL.8884     | A   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.48   | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.961                               | 0.005 | 0    | 0          | 0            | 2 |
| PD.850       | PL.17578    | A   | fuse6AMP           | 14.94Y    | 124.5        | 0.00            | 1.48   | 0.53         | 9        | 8          | 1       | 99         | 0.00      | 0.0               | 1.961                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.17579     | PD.850      | A   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.48   | 0.53         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.980                               | 0.019 | 0    | 0          | 0            | 2 |
| PL.658       | PL.17579    | A   | 4ACSR              | 14.94Y    | 124.5        | 0.00            | 1.48   | 0.23         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 1.997                               | 0.017 | 0    | 0          | 0            | 1 |
| 116805       | PL.658      | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.48   | 0.23         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 1.997                               | 0.000 | 3    | 1          | 1            | 1 |
| 116833       | PL.17579    | A   | Consumer           | 14.94Y    | 124.5        | 0.00            | 1.48   | 0.30         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.980                               | 0.000 | 4    | 1          | 1            | 1 |
| 116886       | PL.5402     | B   | Consumer           | 14.98Y    | 124.8        | 0.00            | 1.15   | 0.11         | 0        | 1          | 1       | 71         | 0.00      | 0.0               | 1.695                               | 0.000 | 1    | 1          | 1            | 1 |
| PL.17585     | PL.9030     | C   | 4ACSR              | 14.97Y    | 124.7        | 0.00            | 1.25   | 0.18         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.497                               | 0.010 | 0    | 0          | 0            | 1 |
| PD.847       | PL.17585    | C   | fuse6AMP           | 14.97Y    | 124.7        | 0.00            | 1.25   | 0.18         | 3        | 3          | 0       | 100        | 0.00      | 0.0               | 1.497                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.17586     | PD.847      | C   | 4ACSR              | 14.97Y    | 124.7        | 0.00            | 1.25   | 0.18         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.542                               | 0.045 | 0    | 0          | 0            | 1 |
| 116801       | PL.17586    | C   | Consumer           | 14.97Y    | 124.7        | 0.00            | 1.25   | 0.18         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.542                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.17583     | PL.9029     | A   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.05   | 0.77         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 1.445                               | 0.008 | 0    | 0          | 0            | 1 |
| PD.848       | PL.17583    | A   | fuse6AMP           | 14.99Y    | 124.9        | 0.00            | 1.05   | 0.77         | 13       | 11         | 2       | 98         | 0.00      | 0.0               | 1.445                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.17584     | PD.848      | A   | 4ACSR              | 14.99Y    | 124.9        | 0.00            | 1.05   | 0.77         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 1.473                               | 0.028 | 0    | 0          | 0            | 1 |
| 116826       | PL.17584    | A   | Consumer           | 14.99Y    | 124.9        | 0.00            | 1.05   | 0.77         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 1.473                               | 0.000 | 11   | 2          | 1            | 1 |
| PL.27448     | PL.9027     | A   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.98   | 0.44         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.352                               | 0.014 | 0    | 0          | 0            | 2 |
| PD.811       | PL.27448    | A   | fuse6AMP           | 15.00Y    | 125.0        | 0.00            | 0.98   | 0.44         | 8        | 7          | 1       | 99         | 0.00      | 0.0               | 1.352                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.17582     | PD.811      | A   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 0.98   | 0.44         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.385                               | 0.033 | 0    | 0          | 0            | 2 |
| 116709       | PL.17582    | A   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.98   | 0.28         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.385                               | 0.000 | 4    | 1          | 1            | 1 |
| 116722       | PL.17582    | A   | Consumer           | 15.00Y    | 125.0        | 0.00            | 0.98   | 0.16         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.385                               | 0.000 | 2    | 0          | 1            | 1 |
| 116718       | PL.21669    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 1.03   | 0.36         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.194                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.27446     | PL.21669    | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 1.03   | 0.20         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.205                               | 0.011 | 0    | 0          | 0            | 1 |



Unbalanced Voltage Drop Report  
Source: UNION CITY

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |               |              |          |            |      |         | mi<br>From<br>Src | -----Element----- |           | Cons<br>On | Cons<br>Thru |                |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|---------------|--------------|----------|------------|------|---------|-------------------|-------------------|-----------|------------|--------------|----------------|----|
|              |             |     |                    |           |              |                 | -Base Voltage:120.0-     | Accum<br>Drop | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF |                   | kW<br>Loss        | %<br>Loss |            |              | Length<br>(mi) | KW |
| PD.812       | PL.27446    | C   | fuse6AMP           | 15.00Y    | 125.0        | 0.00            | 1.03                     | 0.20          | 3            | 3        | 0          | 100  | 0.00    | 0.0               | 1.205             | 0.000     | 0          | 0            | 0              | 1  |
| PL.27447     | PD.812      | C   | 4ACSR              | 15.00Y    | 125.0        | 0.00            | 1.03                     | 0.20          | 0            | 3        | 0          | 100  | 0.00    | 0.0               | 1.281             | 0.076     | 0          | 0            | 0              | 1  |
| 116724       | PL.27447    | C   | Consumer           | 15.00Y    | 125.0        | 0.00            | 1.03                     | 0.20          | 0            | 3        | 0          | 100  | 0.00    | 0.0               | 1.281             | 0.000     | 3          | 0            | 1              | 1  |
| PL.27440     | PL.9014     | A   | 4ACSR              | 15.04Y    | 125.3        | 0.00            | 0.68                     | 0.37          | 0            | 5        | 1          | 98   | 0.00    | 0.0               | 0.960             | 0.011     | 0          | 0            | 0              | 1  |
| PD.815       | PL.27440    | A   | fuse6AMP           | 15.04Y    | 125.3        | 0.00            | 0.68                     | 0.37          | 6            | 5        | 1          | 98   | 0.00    | 0.0               | 0.960             | 0.000     | 0          | 0            | 0              | 1  |
| PL.27441     | PD.815      | A   | 4ACSR              | 15.04Y    | 125.3        | 0.00            | 0.68                     | 0.37          | 0            | 5        | 1          | 98   | 0.00    | 0.0               | 1.003             | 0.042     | 0          | 0            | 0              | 1  |
| 116703       | PL.27441    | A   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.68                     | 0.37          | 0            | 5        | 1          | 98   | 0.00    | 0.0               | 1.003             | 0.000     | 5          | 1            | 1              | 1  |
| 116713       | PL.27441    | A   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.68                     | 0.00          | 0            | 0        | 0          | 100  | 0.00    | 0.0               | 1.003             | 0.000     | 0          | 0            | 0              | 0  |
| PL.27442     | PL.9014     | A   | 4ACSR              | 15.04Y    | 125.3        | 0.00            | 0.68                     | 0.48          | 0            | 7        | 1          | 99   | 0.00    | 0.0               | 0.960             | 0.011     | 0          | 0            | 0              | 1  |
| PD.813       | PL.27442    | A   | fuse6AMP           | 15.04Y    | 125.3        | 0.00            | 0.68                     | 0.48          | 8            | 7        | 1          | 99   | 0.00    | 0.0               | 0.960             | 0.000     | 0          | 0            | 0              | 1  |
| PL.27443     | PD.813      | A   | 4ACSR              | 15.04Y    | 125.3        | 0.00            | 0.68                     | 0.48          | 0            | 7        | 1          | 99   | 0.00    | 0.0               | 1.002             | 0.041     | 0          | 0            | 0              | 1  |
| 116704       | PL.27443    | A   | Consumer           | 15.04Y    | 125.3        | 0.00            | 0.68                     | 0.48          | 0            | 7        | 1          | 99   | 0.00    | 0.0               | 1.002             | 0.000     | 7          | 1            | 1              | 1  |
| PL.27438     | PL.9013     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.52                     | 2.78          | 1            | 41       | 6          | 99   | 0.00    | 0.0               | 0.764             | 0.011     | 0          | 0            | 0              | 4  |
| PD.814       | PL.27438    | A   | fuse6AMP           | 15.06Y    | 125.5        | 0.00            | 0.52                     | 2.78          | 47           | 41       | 6          | 99   | 0.00    | 0.0               | 0.764             | 0.000     | 0          | 0            | 0              | 4  |
| PL.27439     | PD.814      | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.53                     | 2.78          | 1            | 41       | 6          | 99   | 0.00    | 0.0               | 0.834             | 0.070     | 0          | 0            | 0              | 4  |
| PL.4660      | PL.27439    | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.53                     | 1.44          | 1            | 21       | 3          | 99   | 0.00    | 0.0               | 0.834             | 0.000     | 0          | 0            | 0              | 2  |
| PL.4661      | PL.4660     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.53                     | 1.44          | 1            | 21       | 3          | 99   | 0.00    | 0.0               | 0.946             | 0.113     | 0          | 0            | 0              | 2  |
| PL.495       | PL.4661     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.53                     | 1.04          | 1            | 15       | 2          | 99   | 0.00    | 0.0               | 1.069             | 0.123     | 0          | 0            | 0              | 1  |
| 116714       | PL.495      | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.53                     | 1.04          | 0            | 15       | 2          | 99   | 0.00    | 0.0               | 1.069             | 0.000     | 15         | 2            | 1              | 1  |
| PL.496       | PL.4661     | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.53                     | 0.41          | 0            | 6        | 1          | 99   | 0.00    | 0.0               | 0.998             | 0.051     | 0          | 0            | 0              | 1  |
| PL.24350     | PL.496      | A   | 4ACSR              | 15.06Y    | 125.5        | 0.00            | 0.53                     | 0.41          | 0            | 6        | 1          | 99   | 0.00    | 0.0               | 1.118             | 0.121     | 0          | 0            | 0              | 1  |
| 651601       | PL.24350    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.53                     | 0.41          | 0            | 6        | 1          | 99   | 0.00    | 0.0               | 1.118             | 0.000     | 6          | 1            | 1              | 1  |
| 116702       | PL.27439    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.53                     | 0.17          | 0            | 3        | 0          | 100  | 0.00    | 0.0               | 0.834             | 0.000     | 3          | 0            | 1              | 1  |
| 116738       | PL.27439    | A   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.53                     | 1.16          | 0            | 17       | 3          | 98   | 0.00    | 0.0               | 0.834             | 0.000     | 17         | 3            | 1              | 1  |
| PL.613       | PL.33000    | A   | 4ACSR              | 15.07Y    | 125.5        | 0.00            | 0.45                     | 0.63          | 0            | 9        | 1          | 99   | 0.00    | 0.0               | 0.707             | 0.039     | 0          | 0            | 0              | 1  |
| 116728       | PL.613      | A   | Consumer           | 15.07Y    | 125.5        | 0.00            | 0.45                     | 0.63          | 0            | 9        | 1          | 99   | 0.00    | 0.0               | 0.707             | 0.000     | 9          | 1            | 1              | 1  |
| PL.32998     | PL.32999    | C   | 1/0EPRJCN          | 15.06Y    | 125.5        | 0.00            | 0.46                     | 1.09          | 1            | 16       | 2          | 99   | 0.00    | 0.0               | 0.637             | 0.048     | 0          | 0            | 0              | 2  |
| 1167064      | PL.32998    | C   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.46                     | 1.10          | 0            | 16       | 2          | 99   | 0.00    | 0.0               | 0.637             | 0.000     | 13         | 2            | 1              | 2  |
| 1167065      | 1167064     | C   | Consumer           | 15.06Y    | 125.5        | 0.00            | 0.46                     | 0.19          | 0            | 3        | 0          | 100  | 0.00    | 0.0               | 0.637             | 0.000     | 3          | 0            | 1              | 1  |
| 116753       | PL.297      | C   | Consumer           | 15.10Y    | 125.8        | 0.00            | 0.19                     | 0.10          | 0            | 1        | 1          | 71   | 0.00    | 0.0               | 0.304             | 0.000     | 1          | 1            | 1              | 1  |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

|      | Load  | Adjustment | Capacitance | Charging | Gen&Motors | Loops&Metas | Losses | No Load | Losses | Total |
|------|-------|------------|-------------|----------|------------|-------------|--------|---------|--------|-------|
| KW   | 11178 | 0          | 0           | 0        | 0          | 0           | 89     | 0.00    | 11267  |       |
| KVAR | 1736  | 0          | 0           | -246     | 0          | 0           | 101    |         | 1591   |       |

  

| Lowest Voltage                    | Highest Accumulated Voltage Drop | Highest Element Voltage Drop |
|-----------------------------------|----------------------------------|------------------------------|
| A-Phase -> 123.46 volts on PL.926 | 2.54 volts on PL.926             | 0.18 volts on PL.21668       |
| B-Phase -> 123.18 volts on PL.645 | 2.82 volts on PL.645             | 0.26 volts on PL.17563       |
| C-Phase -> 124.15 volts on PL.758 | 1.85 volts on PL.758             | 0.22 volts on PL.21668       |

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 1 (VANMTR1) beginning with Device PD.3905.

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.38205     | PD.6653     | B   | 4ACSR              | 7.50Y     | 124.9        | 0.01            | 1.08                     | 2.19         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 0.880                               | 0.071 | 0    | 0          | 0            | 2  |
| 475539       | PL.38205    | B   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.08                     | 1.14         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 0.880                               | 0.000 | 8    | 1          | 1            | 1  |
| 475534       | PL.38205    | B   | Consumer           | 7.50Y     | 124.9        | 0.00            | 1.08                     | 1.05         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 0.880                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.9648      | PL.38215    | B   | 4ACSR              | 7.49Y     | 124.8        | 0.09            | 1.16                     | 13.36        | 7        | 99         | 16      | 99         | 0.07      | 0.1               | 0.959                               | 0.153 | 0    | 0          | 0            | 31 |
| PL.9766      | PL.9648     | B   | 4ACSR              | 7.49Y     | 124.8        | 0.05            | 1.21                     | 12.16        | 6        | 90         | 15      | 99         | 0.03      | 0.0               | 1.055                               | 0.096 | 0    | 0          | 0            | 30 |
| PL.9767      | PL.9766     | B   | 4ACSR              | 7.49Y     | 124.8        | 0.02            | 1.23                     | 6.17         | 3        | 46         | 8       | 99         | 0.01      | 0.0               | 1.142                               | 0.087 | 0    | 0          | 0            | 24 |
| PL.9768      | PL.9767     | B   | 4ACSR              | 7.49Y     | 124.8        | 0.01            | 1.24                     | 6.17         | 3        | 46         | 8       | 99         | 0.00      | 0.0               | 1.181                               | 0.039 | 0    | 0          | 0            | 24 |
| PL.9769      | PL.9768     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.26                     | 4.70         | 2        | 35         | 6       | 99         | 0.00      | 0.0               | 1.246                               | 0.065 | 0    | 0          | 0            | 23 |
| PL.6599      | PL.9769     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.27                     | 3.59         | 2        | 26         | 4       | 99         | 0.00      | 0.0               | 1.325                               | 0.079 | 0    | 0          | 0            | 22 |
| PL.6598      | PL.6599     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.28                     | 2.72         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 1.411                               | 0.086 | 0    | 0          | 0            | 20 |
| PL.24841     | PL.6598     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.28                     | 2.19         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 1.424                               | 0.013 | 0    | 0          | 0            | 18 |
| PL.38222     | PL.24841    | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.28                     | 2.19         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 1.456                               | 0.031 | 0    | 0          | 0            | 18 |
| PD.428-A     | PL.38222    | B   | Closed             | 7.48Y     | 124.7        | 0.00            | 1.28                     | 2.19         | 0        | 16         | 3       | 98         | 0.00      | 0.0               | 1.456                               | 0.000 | 0    | 0          | 0            | 18 |
| PD.428-B     | PD.428-A    | B   | Closed             | 7.48Y     | 124.7        | 0.00            | 1.28                     | 2.19         | 0        | 16         | 3       | 98         | 0.00      | 0.0               | 1.456                               | 0.000 | 0    | 0          | 0            | 18 |
| PL.38223     | PD.428-B    | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.28                     | 2.19         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 1.464                               | 0.009 | 0    | 0          | 0            | 18 |
| 475616       | PL.38223    | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.464                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.9770      | PL.38223    | B   | 4ACSR              | 7.48Y     | 124.7        | 0.02            | 1.30                     | 2.19         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 1.624                               | 0.160 | 0    | 0          | 0            | 17 |
| PL.9771      | PL.9770     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 2.19         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 1.624                               | 0.000 | 0    | 0          | 0            | 17 |
| 475603       | PL.9771     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.69         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.624                               | 0.000 | 5    | 1          | 1            | 1  |
| PL.9772      | PL.9771     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.31                     | 1.50         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 1.820                               | 0.196 | 0    | 0          | 0            | 16 |
| PL.9773      | PL.9772     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.03            | 1.34                     | 1.50         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 2.224                               | 0.404 | 0    | 0          | 0            | 13 |
| 476602       | PL.9773     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.34                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.224                               | 0.000 | 0    | 0          | 0            | 0  |
| PL.9776      | PL.9773     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.35                     | 1.50         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 2.417                               | 0.194 | 0    | 0          | 0            | 13 |
| PL.24843     | PL.9776     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.35                     | 1.50         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 2.425                               | 0.007 | 0    | 0          | 0            | 11 |
| PL.24844     | PL.24843    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.01            | 1.36                     | 1.50         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 2.532                               | 0.107 | 0    | 0          | 0            | 11 |
| PL.9786      | PL.24844    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 1.47         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 2.533                               | 0.002 | 0    | 0          | 0            | 2  |
| PL.38232     | PL.9786     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 1.47         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 2.537                               | 0.004 | 0    | 0          | 0            | 1  |
| PD.6662      | PL.38232    | B   | fuse6AMP           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 1.47         | 25       | 11         | 2       | 98         | 0.00      | 0.0               | 2.537                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.38233     | PD.6662     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.01            | 1.37                     | 1.47         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 2.717                               | 0.180 | 0    | 0          | 0            | 1  |
| 476611       | PL.38233    | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.37                     | 1.47         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 2.717                               | 0.000 | 11   | 2          | 1            | 1  |
| PL.38234     | PL.9786     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.550                               | 0.017 | 0    | 0          | 0            | 1  |
| PD.6663      | PL.38234    | B   | fuse6AMP           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.550                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.38235     | PD.6663     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.721                               | 0.171 | 0    | 0          | 0            | 1  |
| PL.9784      | PL.38235    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.778                               | 0.058 | 0    | 0          | 0            | 0  |
| PL.9785      | PL.9784     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.804                               | 0.025 | 0    | 0          | 0            | 0  |
| PL.3033      | PL.9784     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.088                               | 0.310 | 0    | 0          | 0            | 0  |
| 476606       | PL.3033     | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.088                               | 0.000 | 0    | 0          | 0            | 0  |
| 476610       | PL.38235    | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.721                               | 0.000 | 0    | 0          | 1            | 1  |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.19110     | PL.24844    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.548                               | 0.016 | 0    | 0          | 0            | 9 |
| PL.40416     | PL.19110    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.557                               | 0.010 | 0    | 0          | 0            | 9 |
| PD.7563-A    | PL.40416    | B   | Closed             | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.557                               | 0.000 | 0    | 0          | 0            | 9 |
| PD.7563-B    | PD.7563-A   | B   | Closed             | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.557                               | 0.000 | 0    | 0          | 0            | 9 |
| PL.40417     | PD.7563-B   | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.772                               | 0.214 | 0    | 0          | 0            | 9 |
| PL.9778      | PL.40417    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.632                               | 0.861 | 0    | 0          | 0            | 7 |
| PL.9184      | PL.9778     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.641                               | 0.009 | 0    | 0          | 0            | 0 |
| PD.1570      | PL.9184     | B   | fuse6AMP           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.641                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.9185      | PD.1570     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.855                               | 0.214 | 0    | 0          | 0            | 0 |
| 476706       | PL.9185     | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.855                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.8820      | PL.9778     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.778                               | 0.145 | 0    | 0          | 0            | 7 |
| PD.429-A     | PL.8820     | B   | Closed             | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.778                               | 0.000 | 0    | 0          | 0            | 7 |
| PD.429-B     | PD.429-A    | B   | Closed             | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.778                               | 0.000 | 0    | 0          | 0            | 7 |
| PL.8821      | PD.429-B    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.787                               | 0.009 | 0    | 0          | 0            | 7 |
| PL.8822      | PL.8821     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.796                               | 0.009 | 0    | 0          | 0            | 5 |
| PD.1571      | PL.8822     | B   | fuse6AMP           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.796                               | 0.000 | 0    | 0          | 0            | 5 |
| PL.8823      | PD.1571     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.056                               | 0.260 | 0    | 0          | 0            | 5 |
| PL.6823      | PL.8823     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.271                               | 0.215 | 0    | 0          | 0            | 4 |
| PL.9781      | PL.6823     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.304                               | 0.033 | 0    | 0          | 0            | 4 |
| PL.8826      | PL.9781     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.309                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.1574      | PL.8826     | B   | fuse6AMP           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.309                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.8827      | PD.1574     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.374                               | 0.065 | 0    | 0          | 0            | 1 |
| PL.3032      | PL.8827     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.615                               | 0.241 | 0    | 0          | 0            | 1 |
| 476609       | PL.3032     | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.615                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.9782      | PL.9781     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.305                               | 0.001 | 0    | 0          | 0            | 3 |
| PL.9783      | PL.9782     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.624                               | 0.318 | 0    | 0          | 0            | 2 |
| 477702       | PL.9783     | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.624                               | 0.000 | 0    | 0          | 1            | 1 |
| 477701       | PL.9783     | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.624                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.8824      | PL.9782     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.312                               | 0.006 | 0    | 0          | 0            | 1 |
| PD.1573      | PL.8824     | B   | fuse6AMP           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.312                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.8825      | PD.1573     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.498                               | 0.187 | 0    | 0          | 0            | 1 |
| 477703       | PL.8825     | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.498                               | 0.000 | 0    | 0          | 1            | 1 |
| 476704       | PL.8823     | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.056                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.7045      | PL.8821     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.802                               | 0.015 | 0    | 0          | 0            | 2 |
| 476703       | PL.7045     | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.802                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.7044      | PL.7045     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.946                               | 0.144 | 0    | 0          | 0            | 1 |
| 476705       | PL.7044     | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.946                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.24845     | PL.40417    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.780                               | 0.008 | 0    | 0          | 0            | 2 |

Unbalanced Voltage Drop Report  
Source: VAN METER

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

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| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |   |
| PD.1569      | PL.24845    | B   | fuse6AMP           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.780             | 0.000 | 0          | 0            | 0    | 2 |
| PL.24846     | PD.1569     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.889             | 0.110 | 0          | 0            | 0    | 2 |
| PL.9779      | PL.24846    | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.895             | 0.005 | 0          | 0            | 0    | 2 |
| 475610       | PL.9779     | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.895             | 0.000 | 0          | 0            | 1    | 1 |
| PL.9780      | PL.9779     | B   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.142             | 0.247 | 0          | 0            | 0    | 1 |
| 475701       | PL.9780     | B   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.36                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.142             | 0.000 | 0          | 0            | 1    | 1 |
| PL.9777      | PL.9776     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.35                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.417             | 0.000 | 0          | 0            | 0    | 2 |
| PL.9774      | PL.9777     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.35                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.436             | 0.018 | 0          | 0            | 0    | 2 |
| 475607       | PL.9774     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.35                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.436             | 0.000 | 0          | 0            | 0    | 0 |
| PL.9775      | PL.9774     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.35                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.832             | 0.396 | 0          | 0            | 0    | 2 |
| PL.6600      | PL.9775     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.35                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.387             | 0.555 | 0          | 0            | 0    | 0 |
| PL.168       | PL.6600     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.35                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 3.710             | 0.323 | 0          | 0            | 0    | 0 |
| PL.3034      | PL.9775     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.35                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.952             | 0.121 | 0          | 0            | 0    | 1 |
| 475612       | PL.3034     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.35                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.952             | 0.000 | 0          | 0            | 1    | 1 |
| 475608       | PL.9775     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.35                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.832             | 0.000 | 0          | 0            | 1    | 1 |
| 475609       | PL.9775     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.35                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.832             | 0.000 | 0          | 0            | 0    | 0 |
| PL.38224     | PL.9772     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.823             | 0.003 | 0          | 0            | 0    | 3 |
| PL.38227     | PL.38224    | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.01         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.828             | 0.005 | 0          | 0            | 0    | 3 |
| PL.38228     | PL.38227    | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.945             | 0.117 | 0          | 0            | 0    | 1 |
| PL.6597      | PL.38228    | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.015             | 0.070 | 0          | 0            | 0    | 0 |
| PD.6664-A    | PL.6597     | B   | Closed             | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.015             | 0.000 | 0          | 0            | 0    | 0 |
| PD.6664-B    | PD.6664-A   | B   | Closed             | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.015             | 0.000 | 0          | 0            | 0    | 0 |
| PL.3035      | PD.6664-B   | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.170             | 0.155 | 0          | 0            | 0    | 0 |
| PL.3036      | PL.3035     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.413             | 0.243 | 0          | 0            | 0    | 0 |
| 476605       | PL.3036     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 2.413             | 0.000 | 0          | 0            | 0    | 0 |
| 476608       | PL.38228    | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.945             | 0.000 | 0          | 0            | 1    | 1 |
| PL.38229     | PL.38227    | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.931             | 0.104 | 0          | 0            | 0    | 1 |
| 476601       | PL.38229    | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.931             | 0.000 | 0          | 0            | 1    | 1 |
| PL.38226     | PL.38227    | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.953             | 0.126 | 0          | 0            | 0    | 1 |
| 476607       | PL.38226    | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.31                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.953             | 0.000 | 0          | 0            | 1    | 1 |
| PL.40718     | PL.6598     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.54         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 1.423             | 0.012 | 0          | 0            | 0    | 2 |
| PL.40719     | PL.40718    | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.54         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 1.542             | 0.119 | 0          | 0            | 0    | 2 |
| PL.3041      | PL.40719    | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.641             | 0.099 | 0          | 0            | 0    | 1 |
| PL.3042      | PL.3041     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.713             | 0.072 | 0          | 0            | 0    | 1 |
| 475611       | PL.3042     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.713             | 0.000 | 0          | 0            | 1    | 1 |
| 4756018      | PL.40719    | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.28                     | 0.52         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 1.542             | 0.000 | 4          | 1            | 1    | 1 |
| 475604       | PL.6599     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 1.325             | 0.000 | 0          | 0            | 1    | 1 |
| PL.38220     | PL.6599     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.86         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 1.336             | 0.011 | 0          | 0            | 0    | 1 |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| PD.6658      | PL.38220    | B   | fuse6AMP           | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.86         | 15       | 6          | 1       | 99         | 0.00      | 0.0               | 1.336                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.38221     | PD.6658     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.86         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.424                               | 0.088 | 0    | 0          | 0            | 1   |
| 475602       | PL.38221    | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.86         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.424                               | 0.000 | 6    | 1          | 1            | 1   |
| 475615       | PL.9769     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.26                     | 1.11         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.246                               | 0.000 | 8    | 1          | 1            | 1   |
| 475614       | PL.9768     | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.24                     | 1.48         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 1.181                               | 0.000 | 11   | 2          | 1            | 1   |
| PL.38218     | PL.9766     | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.21                     | 5.36         | 3        | 40         | 7       | 99         | 0.00      | 0.0               | 1.060                               | 0.006 | 0    | 0          | 0            | 5   |
| C PD.6657    | PL.38218    | B   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 5.36         | 92       | 40         | 7       | 99         | 0.00      | 0.0               | 1.060                               | 0.000 | 0    | 0          | 0            | 5 C |
| PL.38219     | PD.6657     | B   | 4ACSR              | 7.49Y     | 124.8        | 0.01            | 1.22                     | 5.36         | 3        | 40         | 7       | 99         | 0.00      | 0.0               | 1.098                               | 0.037 | 0    | 0          | 0            | 5   |
| PL.28991     | PL.38219    | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.22                     | 5.36         | 3        | 40         | 7       | 99         | 0.00      | 0.0               | 1.098                               | 0.000 | 0    | 0          | 0            | 5   |
| 475541       | PL.28991    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.22                     | 1.24         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 1.098                               | 0.000 | 9    | 2          | 1            | 1   |
| PL.9765      | PL.28991    | B   | 4ACSR              | 7.48Y     | 124.7        | 0.04            | 1.26                     | 4.12         | 2        | 30         | 5       | 99         | 0.01      | 0.0               | 1.313                               | 0.216 | 0    | 0          | 0            | 4   |
| PL.3081      | PL.9765     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.27                     | 2.93         | 2        | 22         | 4       | 98         | 0.00      | 0.0               | 1.397                               | 0.084 | 0    | 0          | 0            | 3   |
| 475508       | PL.3081     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.27                     | 1.63         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.397                               | 0.000 | 12   | 2          | 1            | 1   |
| PL.29322     | PL.3081     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27                     | 1.31         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 1.473                               | 0.076 | 0    | 0          | 0            | 2   |
| 475551       | PL.29322    | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.27                     | 1.18         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.473                               | 0.000 | 9    | 1          | 1            | 1   |
| 475550       | PL.29322    | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.473                               | 0.000 | 1    | 0          | 1            | 1   |
| PL.3082      | PL.9765     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.27                     | 1.18         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 1.542                               | 0.229 | 0    | 0          | 0            | 1   |
| PL.3083      | PL.3082     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.542                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.3043      | PL.3082     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27                     | 1.18         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 1.594                               | 0.052 | 0    | 0          | 0            | 1   |
| 475613       | PL.3043     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.27                     | 1.18         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.594                               | 0.000 | 9    | 1          | 1            | 1   |
| PL.6601      | PL.3043     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.652                               | 0.058 | 0    | 0          | 0            | 0   |
| 475617       | PL.6601     | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.652                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.6602      | PL.6601     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.677                               | 0.025 | 0    | 0          | 0            | 0   |
| PL.3084      | PL.6602     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.695                               | 0.018 | 0    | 0          | 0            | 0   |
| PL.24118     | PL.3084     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.696                               | 0.001 | 0    | 0          | 0            | 0   |
| PL.24117     | PL.24118    | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.970                               | 0.273 | 0    | 0          | 0            | 0   |
| 474513       | PL.24117    | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.970                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.38211     | PL.9766     | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.060                               | 0.005 | 0    | 0          | 0            | 1   |
| PD.6655      | PL.38211    | B   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.63         | 11       | 5          | 1       | 98         | 0.00      | 0.0               | 1.060                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.38212     | PD.6655     | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.143                               | 0.083 | 0    | 0          | 0            | 1   |
| 475509       | PL.38212    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.21                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.143                               | 0.000 | 5    | 1          | 1            | 1   |
| PL.38209     | PL.9648     | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.16                     | 1.20         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 0.964                               | 0.005 | 0    | 0          | 0            | 1   |
| PD.6654      | PL.38209    | B   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.16                     | 1.20         | 20       | 9          | 1       | 99         | 0.00      | 0.0               | 0.964                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.38210     | PD.6654     | B   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.16                     | 1.20         | 1        | 9          | 1       | 99         | 0.00      | 0.0               | 1.004                               | 0.040 | 0    | 0          | 0            | 1   |
| 475542       | PL.38210    | B   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.16                     | 1.20         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 1.004                               | 0.000 | 9    | 1          | 1            | 1   |
| PL.38216     | PL.38214    | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.01                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.728                               | 0.005 | 0    | 0          | 0            | 1   |
| PD.6656      | PL.38216    | B   | fuse6AMP           | 7.50Y     | 125.0        | 0.00            | 1.01                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.728                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.38217     | PD.6656     | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.01                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.784                               | 0.057 | 0    | 0          | 0            | 1   |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |      |
| 4755055      | PL.38217    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.784             | 0.000 | 0          | 0            | 1    | 1    |
| PL.38207     | PL.9645     | B   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.94                     | 9.49         | 5        | 70         | 12        | 99         | 0.00      | 0.0               | 0.623             | 0.005 | 0          | 0            | 0    | 12   |
| C PD.1681    | PL.38207    | B   | fuse6AMP           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 9.49         | 162      | 70         | 12        | 99         | 0.00      | 0.0               | 0.623             | 0.000 | 0          | 0            | 0    | 12 C |
| PL.38208     | PD.1681     | B   | 4ACSR              | 7.50Y     | 125.0        | 0.02            | 0.96                     | 9.49         | 5        | 70         | 12        | 99         | 0.01      | 0.0               | 0.668             | 0.045 | 0          | 0            | 0    | 12   |
| PL.3077      | PL.38208    | B   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 0.97                     | 2.07         | 1        | 15         | 3         | 98         | 0.00      | 0.0               | 0.826             | 0.159 | 0          | 0            | 0    | 3    |
| 475533       | PL.3077     | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 0.46         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 0.826             | 0.000 | 3          | 1            | 1    | 1    |
| 475526       | PL.3077     | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 0.10         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.826             | 0.000 | 1          | 0            | 1    | 1    |
| 475505       | PL.3077     | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 1.51         | 0        | 11         | 2         | 98         | 0.00      | 0.0               | 0.826             | 0.000 | 11         | 2            | 1    | 1    |
| PL.25570     | PL.38208    | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.96                     | 7.42         | 4        | 55         | 9         | 99         | 0.00      | 0.0               | 0.674             | 0.007 | 0          | 0            | 0    | 9    |
| PL.25571     | PL.25570    | B   | 4ACSR              | 7.50Y     | 125.0        | 0.02            | 0.98                     | 7.42         | 4        | 55         | 9         | 99         | 0.01      | 0.0               | 0.746             | 0.072 | 0          | 0            | 0    | 9    |
| 475528       | PL.25571    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.05         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.746             | 0.000 | 0          | 0            | 1    | 1    |
| 475506       | PL.25571    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.746             | 0.000 | 0          | 0            | 1    | 1    |
| 475523       | PL.25571    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 1.79         | 0        | 13         | 2         | 99         | 0.00      | 0.0               | 0.746             | 0.000 | 13         | 2            | 1    | 1    |
| 475519       | PL.25571    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 1.43         | 0        | 11         | 2         | 98         | 0.00      | 0.0               | 0.746             | 0.000 | 11         | 2            | 1    | 1    |
| 475543       | PL.25571    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.746             | 0.000 | 0          | 0            | 1    | 1    |
| PL.6618      | PL.25571    | B   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 1.00                     | 4.14         | 2        | 31         | 5         | 99         | 0.00      | 0.0               | 0.818             | 0.072 | 0          | 0            | 0    | 4    |
| PL.6619      | PL.6618     | B   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 1.00                     | 2.90         | 1        | 21         | 4         | 98         | 0.00      | 0.0               | 0.881             | 0.063 | 0          | 0            | 0    | 3    |
| PL.6620      | PL.6619     | B   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 1.01                     | 1.56         | 1        | 12         | 2         | 99         | 0.00      | 0.0               | 0.951             | 0.070 | 0          | 0            | 0    | 1    |
| 475522       | PL.6620     | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.951             | 0.000 | 0          | 0            | 0    | 0    |
| 475517       | PL.6620     | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.01                     | 1.56         | 0        | 12         | 2         | 99         | 0.00      | 0.0               | 0.951             | 0.000 | 12         | 2            | 1    | 1    |
| PL.45884     | PL.6620     | B   | 2ACSR              | 7.50Y     | 125.0        | 0.00            | 1.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.984             | 0.033 | 0          | 0            | 0    | 0    |
| 4755056      | PL.45884    | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.984             | 0.000 | 0          | 0            | 0    | 0    |
| 475531       | PL.6619     | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.00                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.881             | 0.000 | 0          | 0            | 1    | 1    |
| 475512       | PL.6619     | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.00                     | 1.33         | 0        | 10         | 2         | 98         | 0.00      | 0.0               | 0.881             | 0.000 | 10         | 2            | 1    | 1    |
| 475529       | PL.6618     | B   | Consumer           | 7.50Y     | 125.0        | 0.00            | 1.00                     | 1.24         | 0        | 9          | 2         | 98         | 0.00      | 0.0               | 0.818             | 0.000 | 9          | 2            | 1    | 1    |
| 475521       | PL.9643     | B   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 1.16         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 0.481             | 0.000 | 9          | 1            | 1    | 1    |
| 475516       | PL.20047    | B   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.69                     | 1.20         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 0.420             | 0.000 | 9          | 1            | 1    | 1    |
| PL.3049      | PL.9640     | B   | 4ACSR              | 7.53Y     | 125.5        | 0.01            | 0.53                     | 2.81         | 1        | 21         | 3         | 99         | 0.00      | 0.0               | 0.389             | 0.088 | 0          | 0            | 0    | 1    |
| 475532       | PL.3049     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.53                     | 2.81         | 0        | 21         | 3         | 99         | 0.00      | 0.0               | 0.389             | 0.000 | 21         | 3            | 1    | 1    |
| 475555       | PL.3049     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.53                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.389             | 0.000 | 0          | 0            | 0    | 0    |
| 475538       | PL.9640     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 1.07         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 0.301             | 0.000 | 8          | 1            | 1    | 1    |
| 475553       | PL.9640     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.08         | 0        | 1          | 0         | 100        | 0.00      | 0.0               | 0.301             | 0.000 | 1          | 0            | 1    | 1    |
| PL.9641      | PL.9640     | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.52                     | 1.16         | 1        | 9          | 1         | 99         | 0.00      | 0.0               | 0.373             | 0.073 | 0          | 0            | 0    | 3    |
| PL.3073      | PL.9641     | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.53                     | 0.50         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 0.442             | 0.069 | 0          | 0            | 0    | 2    |
| 475547       | PL.3073     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.53                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 0.442             | 0.000 | 0          | 0            | 1    | 1    |
| 475546       | PL.3073     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.53                     | 0.50         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 0.442             | 0.000 | 4          | 1            | 1    | 1    |
| PL.9642      | PL.9641     | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.65         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 0.389             | 0.015 | 0          | 0            | 0    | 1    |
| 475503       | PL.9642     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.65         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 0.389             | 0.000 | 5          | 1            | 1    | 1    |

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 2 (VANMTR2) beginning with Device PD.3903.



Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | Element   |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-----------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss | KW |            |              | KVAR |
| PL.3072      | PL.3071     | A   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.23                     | 1.00         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 0.831          | 0.056     | 0  | 0          | 0            | 2    |
| PL.6614      | PL.3072     | A   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.23                     | 1.00         | 1        | 7          | 1    | 99      | 0.00       | 0.0               | 0.859          | 0.028     | 0  | 0          | 0            | 2    |
| PL.6615      | PL.6614     | A   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.45         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 0.902          | 0.043     | 0  | 0          | 0            | 1    |
| 476424       | PL.6615     | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.45         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 0.902          | 0.000     | 3  | 1          | 1            | 1    |
| 476425       | PL.6614     | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.55         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 0.859          | 0.000     | 4  | 1          | 1            | 1    |
| 476423       | PL.9970     | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.22                     | 0.67         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 0.676          | 0.000     | 5  | 1          | 1            | 1    |
| PL.9198      | PL.9972     | A   | 1/0ACSR            | 7.55Y     | 125.8        | 0.03            | 0.24                     | 15.28        | 5        | 114        | 19   | 99      | 0.05       | 0.0               | 0.719          | 0.096     | 0  | 0          | 0            | 21   |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.02            | 0.18                     | 16.07        | 5        | 120        | 20   | 99      |            |                   |                |           | 0  | 0          | 0            | 16   |
|              |             | C   |                    | 7.55Y     | 125.9        | 0.02            | 0.14                     | 12.70        | 4        | 95         | 16   | 99      |            |                   |                |           | 0  | 0          | 0            | 11   |
| PL.9199      | PL.9198     | A   | 1/0ACSR            | 7.54Y     | 125.7        | 0.03            | 0.27                     | 14.76        | 4        | 110        | 18   | 99      | 0.05       | 0.0               | 0.814          | 0.095     | 0  | 0          | 0            | 20   |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.03            | 0.20                     | 16.07        | 5        | 120        | 20   | 99      |            |                   |                |           | 0  | 0          | 0            | 16   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.02            | 0.16                     | 12.70        | 4        | 95         | 16   | 99      |            |                   |                |           | 0  | 0          | 0            | 11   |
| 476421       | PL.9199     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.16                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.814          | 0.000     | 0  | 0          | 0            | 0    |
| 476403       | PL.9199     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.16                     | 0.76         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 0.814          | 0.000     | 6  | 1          | 1            | 1    |
| PL.9977      | PL.9199     | A   | 1/0ACSR            | 7.54Y     | 125.7        | 0.01            | 0.27                     | 14.76        | 4        | 110        | 18   | 99      | 0.01       | 0.0               | 0.834          | 0.020     | 0  | 0          | 0            | 20   |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.01            | 0.21                     | 16.07        | 5        | 120        | 20   | 99      |            |                   |                |           | 0  | 0          | 0            | 16   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.16                     | 11.81        | 4        | 88         | 15   | 99      |            |                   |                |           | 0  | 0          | 0            | 9    |
| PD.430-A     | PL.9977     | A   | Closed             | 7.54Y     | 125.7        | 0.00            | 0.27                     | 14.76        | 0        | 110        | 18   | 99      | 0.00       | 0.0               | 0.834          | 0.000     | 0  | 0          | 0            | 20   |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.00            | 0.21                     | 16.07        | 0        | 120        | 20   | 99      |            |                   |                |           | 0  | 0          | 0            | 16   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.16                     | 11.81        | 0        | 88         | 15   | 99      |            |                   |                |           | 0  | 0          | 0            | 9    |
| PD.430-B     | PD.430-A    | A   | Closed             | 7.54Y     | 125.7        | 0.00            | 0.27                     | 14.76        | 0        | 110        | 18   | 99      | 0.00       | 0.0               | 0.834          | 0.000     | 0  | 0          | 0            | 20   |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.00            | 0.21                     | 16.07        | 0        | 120        | 20   | 99      |            |                   |                |           | 0  | 0          | 0            | 16   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.16                     | 11.81        | 0        | 88         | 15   | 99      |            |                   |                |           | 0  | 0          | 0            | 9    |
| PL.9978      | PD.430-B    | A   | 1/0ACSR            | 7.54Y     | 125.7        | 0.03            | 0.30                     | 14.76        | 4        | 110        | 18   | 99      | 0.05       | 0.0               | 0.926          | 0.091     | 0  | 0          | 0            | 20   |
|              |             | B   |                    | 7.55Y     | 125.8        | 0.02            | 0.23                     | 16.07        | 5        | 120        | 20   | 99      |            |                   |                |           | 0  | 0          | 0            | 16   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.02            | 0.18                     | 11.81        | 4        | 88         | 15   | 99      |            |                   |                |           | 0  | 0          | 0            | 9    |
| PL.9979      | PL.9978     | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.45         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 0.934          | 0.009     | 0  | 0          | 0            | 1    |
| PD.1586      | PL.9979     | C   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.45         | 8        | 3          | 1    | 95      | 0.00       | 0.0               | 0.934          | 0.000     | 0  | 0          | 0            | 1    |
| PL.9980      | PD.1586     | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.45         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.051          | 0.116     | 0  | 0          | 0            | 1    |
| 476501       | PL.9980     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18                     | 0.45         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.051          | 0.000     | 3  | 1          | 1            | 1    |
| PL.9788      | PL.9978     | A   | 1/0ACSR            | 7.54Y     | 125.7        | 0.03            | 0.33                     | 14.76        | 4        | 110        | 18   | 99      | 0.05       | 0.0               | 1.021          | 0.096     | 0  | 0          | 0            | 20   |
|              |             | B   |                    | 7.54Y     | 125.7        | 0.02            | 0.25                     | 16.07        | 5        | 120        | 20   | 99      |            |                   |                |           | 0  | 0          | 0            | 16   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.01            | 0.19                     | 8.53         | 3        | 64         | 11   | 99      |            |                   |                |           | 0  | 0          | 0            | 6    |
| PL.9981      | PL.9788     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.25                     | 1.47         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 1.027          | 0.005     | 0  | 0          | 0            | 3    |
| PD.1585      | PL.9981     | B   | fuse6AMP           | 7.54Y     | 125.7        | 0.00            | 0.25                     | 1.47         | 25       | 11         | 2    | 98      | 0.00       | 0.0               | 1.027          | 0.000     | 0  | 0          | 0            | 3    |
| PL.9982      | PD.1585     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.26                     | 1.47         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 1.083          | 0.056     | 0  | 0          | 0            | 3    |
| 476411       | PL.9982     | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.26                     | 0.46         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 1.083          | 0.000     | 3  | 1          | 1            | 1    |
| PL.3063      | PL.9982     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.26                     | 1.01         | 1        | 8          | 1    | 99      | 0.00       | 0.0               | 1.161          | 0.078     | 0  | 0          | 0            | 2    |
| PL.3065      | PL.3063     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.26                     | 1.01         | 1        | 8          | 1    | 99      | 0.00       | 0.0               | 1.251          | 0.089     | 0  | 0          | 0            | 2    |
| PL.6609      | PL.3065     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.27                     | 1.01         | 1        | 8          | 1    | 99      | 0.00       | 0.0               | 1.290          | 0.039     | 0  | 0          | 0            | 2    |
| PL.6610      | PL.6609     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.27                     | 0.36         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.328          | 0.038     | 0  | 0          | 0            | 1    |
| 476422       | PL.6610     | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.27                     | 0.36         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 1.328          | 0.000     | 3  | 0          | 1            | 1    |
| 476427       | PL.6609     | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.27                     | 0.65         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 1.290          | 0.000     | 5  | 1          | 1            | 1    |
| PL.3067      | PL.3065     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.26                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.300          | 0.049     | 0  | 0          | 0            | 0    |
| PL.3064      | PL.3063     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.26                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.237          | 0.076     | 0  | 0          | 0            | 0    |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| 476407       | PL.3063     | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.26   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.161                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.3066      | PL.3063     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.26   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.202                               | 0.041 | 0    | 0          | 0            | 0   |
| PL.6608      | PL.3066     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.26   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.228                               | 0.025 | 0    | 0          | 0            | 0   |
| 476434       | PL.6608     | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.26   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.228                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.6611      | PL.6608     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.26   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.302                               | 0.074 | 0    | 0          | 0            | 0   |
| PL.6612      | PL.6611     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.26   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.319                               | 0.018 | 0    | 0          | 0            | 0   |
| PL.6613      | PL.6612     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.26   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.404                               | 0.084 | 0    | 0          | 0            | 0   |
| 476417       | PL.6613     | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.26   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.404                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.9789      | PL.9788     | A   | 1/0ACSR            | 7.54Y     | 125.6        | 0.03            | 0.36   | 14.76        | 4        | 110        | 18      | 99         | 0.04      | 0.0               | 1.124                               | 0.102 | 0    | 0          | 0            | 20  |
|              |             | B   |                    | 7.54Y     | 125.7        | 0.02            | 0.27   | 14.60        | 4        | 109        | 18      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 13  |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.01            | 0.19   | 5.70         | 2        | 42         | 7       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 4   |
| PL.9790      | PL.9789     | A   | 1/0ACSR            | 7.54Y     | 125.6        | 0.02            | 0.39   | 12.67        | 4        | 94         | 16      | 99         | 0.03      | 0.0               | 1.212                               | 0.088 | 0    | 0          | 0            | 16  |
|              |             | B   |                    | 7.54Y     | 125.7        | 0.02            | 0.29   | 14.60        | 4        | 109        | 18      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 13  |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.19   | 5.70         | 2        | 42         | 7       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 4   |
| PL.9791      | PL.9790     | A   | 1/0ACSR            | 7.54Y     | 125.6        | 0.03            | 0.42   | 5.89         | 2        | 44         | 7       | 99         | 0.05      | 0.0               | 1.423                               | 0.211 | 0    | 0          | 0            | 5   |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.06            | 0.35   | 14.60        | 4        | 109        | 18      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 13  |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.20   | 5.70         | 2        | 42         | 7       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 4   |
| PL.9792      | PL.9791     | A   | 1/0ACSR            | 7.53Y     | 125.6        | 0.00            | 0.42   | 2.63         | 1        | 20         | 3       | 99         | 0.01      | 0.0               | 1.459                               | 0.036 | 0    | 0          | 0            | 2   |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.01            | 0.36   | 14.60        | 4        | 109        | 18      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 13  |
|              |             | C   |                    | 7.55Y     | 125.8        | -0.00           | 0.20   | 4.87         | 1        | 36         | 6       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 2   |
| PL.9793      | PL.9792     | A   | 1/0ACSR            | 7.53Y     | 125.6        | 0.01            | 0.43   | 2.63         | 1        | 20         | 3       | 99         | 0.03      | 0.0               | 1.588                               | 0.130 | 0    | 0          | 0            | 2   |
|              |             | B   |                    | 7.54Y     | 125.6        | 0.04            | 0.40   | 14.60        | 4        | 109        | 18      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 13  |
|              |             | C   |                    | 7.55Y     | 125.8        | -0.00           | 0.19   | 4.87         | 1        | 36         | 6       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 2   |
| PL.9995      | PL.9793     | B   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.41   | 6.92         | 4        | 51         | 9       | 98         | 0.00      | 0.0               | 1.595                               | 0.007 | 0    | 0          | 0            | 4   |
| C PD.1590    | PL.9995     | B   | fuse6AMP           | 7.54Y     | 125.6        | 0.00            | 0.41   | 6.92         | 118      | 51         | 9       | 98         | 0.00      | 0.0               | 1.595                               | 0.000 | 0    | 0          | 0            | 4 C |
| PL.9996      | PD.1590     | B   | 4ACSR              | 7.53Y     | 125.6        | 0.02            | 0.43   | 6.92         | 4        | 51         | 9       | 98         | 0.01      | 0.0               | 1.662                               | 0.067 | 0    | 0          | 0            | 4   |
| PL.6606      | PL.9996     | B   | 4ACSR              | 7.53Y     | 125.6        | 0.01            | 0.44   | 4.46         | 2        | 33         | 6       | 98         | 0.00      | 0.0               | 1.726                               | 0.063 | 0    | 0          | 0            | 3   |
| PL.6607      | PL.6606     | B   | 4ACSR              | 7.53Y     | 125.5        | 0.01            | 0.45   | 2.40         | 1        | 18         | 3       | 99         | 0.00      | 0.0               | 1.842                               | 0.117 | 0    | 0          | 0            | 2   |
| PL.3058      | PL.6607     | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.45   | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.920                               | 0.078 | 0    | 0          | 0            | 1   |
| 476514       | PL.3058     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.45   | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.920                               | 0.000 | 7    | 1          | 1            | 1   |
| 476518       | PL.6607     | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.45   | 1.43         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 1.842                               | 0.000 | 11   | 2          | 1            | 1   |
| 476515       | PL.6606     | B   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.44   | 2.07         | 0        | 15         | 3       | 98         | 0.00      | 0.0               | 1.726                               | 0.000 | 15   | 3          | 1            | 1   |
| 476516       | PL.9996     | B   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.43   | 2.46         | 0        | 18         | 3       | 99         | 0.00      | 0.0               | 1.662                               | 0.000 | 18   | 3          | 1            | 1   |
| PL.9794      | PL.9793     | A   | 1/0ACSR            | 7.53Y     | 125.6        | 0.00            | 0.43   | 2.63         | 1        | 20         | 3       | 99         | 0.01      | 0.0               | 1.670                               | 0.082 | 0    | 0          | 0            | 2   |
|              |             | B   |                    | 7.53Y     | 125.6        | 0.01            | 0.42   | 7.68         | 2        | 57         | 10      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 9   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.20   | 4.87         | 1        | 36         | 6       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 2   |
| PL.9200      | PL.9794     | A   | 1/0ACSR            | 7.53Y     | 125.6        | 0.00            | 0.43   | 2.63         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 1.736                               | 0.066 | 0    | 0          | 0            | 2   |
|              |             | B   |                    | 7.53Y     | 125.6        | 0.01            | 0.43   | 6.80         | 2        | 51         | 8       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 7   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.20   | 4.87         | 1        | 36         | 6       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 2   |
| PL.9201      | PL.9200     | A   | 1/0ACSR            | 7.53Y     | 125.6        | 0.00            | 0.44   | 2.63         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 1.764                               | 0.029 | 0    | 0          | 0            | 2   |
|              |             | B   |                    | 7.53Y     | 125.6        | 0.00            | 0.43   | 6.80         | 2        | 51         | 8       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 7   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.20   | 4.87         | 1        | 36         | 6       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 2   |
| PL.3075      | PL.9201     | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.20   | 1.67         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 1.793                               | 0.028 | 0    | 0          | 0            | 1   |
| 476513       | PL.3075     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.20   | 1.67         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.793                               | 0.000 | 12   | 2          | 1            | 1   |
| PL.9999      | PL.9201     | A   | 1/0ACSR            | 7.53Y     | 125.6        | 0.00            | 0.44   | 2.63         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 1.803                               | 0.039 | 0    | 0          | 0            | 2   |
|              |             | B   |                    | 7.53Y     | 125.6        | 0.01            | 0.44   | 6.80         | 2        | 51         | 8       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 7   |
|              |             | C   |                    | 7.55Y     | 125.8        | 0.00            | 0.20   | 3.19         | 1        | 24         | 4       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 1   |

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PD.1594, PL.10070, PL.9795, etc.

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for elements like PL.43109, RG.31, PL.43110, PD.431-B, PL.2853, 476522, 476512, 476527, 476528, PL.9993, PD.1589, PL.9994, 476503, PL.3057, 4765032, 476504, PL.9991, PD.1591, PL.9992, PL.3055, PL.3054, 476529, 476524, PL.3056, 476520, PL.9987, C PD.1592, PL.9988, PL.9989, PD.1593, PL.9990, PL.3061, 476437.

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 476431       | PL.3061     | A   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.44   | 0.48         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.436                               | 0.000 | 4    | 1          | 1            | 1 |
| 476430       | PL.3061     | A   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.44   | 1.10         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 1.436                               | 0.000 | 8    | 1          | 1            | 1 |
| 476418       | PL.3061     | A   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.44   | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.436                               | 0.000 | 7    | 1          | 1            | 1 |
| 476413       | PL.3061     | A   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.44   | 0.98         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.436                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.3062      | PL.9988     | A   | 4ACSR              | 7.53Y     | 125.6        | 0.01            | 0.43   | 2.63         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 1.398                               | 0.070 | 0    | 0          | 0            | 5 |
| PL.3053      | PL.3062     | A   | 4ACSR              | 7.53Y     | 125.6        | 0.01            | 0.44   | 2.63         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 1.498                               | 0.100 | 0    | 0          | 0            | 5 |
| PL.6604      | PL.3053     | A   | 4ACSR              | 7.53Y     | 125.6        | 0.00            | 0.44   | 2.63         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 1.505                               | 0.007 | 0    | 0          | 0            | 5 |
| 476406       | PL.6604     | A   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.44   | 0.14         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.505                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.6605      | PL.6604     | A   | 4ACSR              | 7.53Y     | 125.5        | 0.02            | 0.46   | 2.49         | 1        | 18         | 3       | 99         | 0.00      | 0.0               | 1.667                               | 0.162 | 0    | 0          | 0            | 4 |
| PL.3051      | PL.6605     | A   | 4ACSR              | 7.53Y     | 125.5        | 0.01            | 0.47   | 2.49         | 1        | 18         | 3       | 99         | 0.00      | 0.0               | 1.765                               | 0.098 | 0    | 0          | 0            | 3 |
| PL.6624      | PL.3051     | A   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.47   | 2.49         | 1        | 18         | 3       | 99         | 0.00      | 0.0               | 1.766                               | 0.001 | 0    | 0          | 0            | 3 |
| PL.6625      | PL.6624     | A   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.47   | 2.00         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 1.798                               | 0.032 | 0    | 0          | 0            | 2 |
| 476440       | PL.6625     | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.47   | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 1.798                               | 0.000 | 3    | 0          | 1            | 1 |
| 476433       | PL.6625     | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.47   | 1.63         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.798                               | 0.000 | 12   | 2          | 1            | 1 |
| 476438       | PL.6624     | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.47   | 0.49         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.766                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.3052      | PL.6605     | A   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.46   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.677                               | 0.010 | 0    | 0          | 0            | 1 |
| PL.3050      | PL.3052     | A   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.46   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.879                               | 0.201 | 0    | 0          | 0            | 1 |
| 476416       | PL.3050     | A   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.46   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.879                               | 0.000 | 0    | 0          | 1            | 1 |
| 476405       | PL.9988     | A   | Consumer           | 7.53Y     | 125.6        | 0.00            | 0.42   | 0.60         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.328                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.9985      | PL.9789     | A   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.36   | 2.09         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 1.131                               | 0.007 | 0    | 0          | 0            | 4 |
| PD.1588      | PL.9985     | A   | fuse6AMP           | 7.54Y     | 125.6        | 0.00            | 0.36   | 2.09         | 36       | 16         | 3       | 98         | 0.00      | 0.0               | 1.131                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.9986      | PD.1588     | A   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.37   | 2.09         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 1.211                               | 0.080 | 0    | 0          | 0            | 4 |
| 476420       | PL.9986     | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37   | 0.20         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 1.211                               | 0.000 | 1    | 0          | 1            | 1 |
| 476409       | PL.9986     | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37   | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.211                               | 0.000 | 2    | 0          | 1            | 1 |
| 476439       | PL.9986     | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37   | 0.82         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.211                               | 0.000 | 6    | 1          | 1            | 1 |
| 476410       | PL.9986     | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.211                               | 0.000 | 0    | 0          | 0            | 0 |
| 476414       | PL.9986     | A   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37   | 0.83         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 1.211                               | 0.000 | 6    | 1          | 1            | 1 |
| 476404       | PL.9788     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19   | 1.36         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 1.021                               | 0.000 | 10   | 2          | 1            | 1 |
| PL.9984      | PL.9788     | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.19   | 1.47         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 1.026                               | 0.005 | 0    | 0          | 0            | 1 |
| PD.1587      | PL.9984     | C   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.19   | 1.47         | 25       | 11         | 2       | 98         | 0.00      | 0.0               | 1.026                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.9983      | PD.1587     | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.19   | 1.47         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 1.052                               | 0.026 | 0    | 0          | 0            | 1 |
| 476436       | PL.9983     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.19   | 1.47         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 1.052                               | 0.000 | 11   | 2          | 1            | 1 |
| 476429       | PL.9978     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18   | 1.55         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 0.926                               | 0.000 | 12   | 2          | 1            | 1 |
| 476428       | PL.9978     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.18   | 1.28         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 0.926                               | 0.000 | 9    | 2          | 1            | 1 |
| PL.9975      | PL.9199     | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.16   | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.821                               | 0.007 | 0    | 0          | 0            | 1 |
| PD.1584      | PL.9975     | C   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.16   | 0.13         | 2        | 1          | 0       | 100        | 0.00      | 0.0               | 0.821                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.9976      | PD.1584     | C   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.16   | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.880                               | 0.059 | 0    | 0          | 0            | 1 |
| 476526       | PL.9976     | C   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.16   | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.880                               | 0.000 | 1    | 0          | 1            | 1 |

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a section for Feeder No. 3 (VANMTR3) beginning with Device PD.3904.

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | Length<br>(mi) | Element   |    | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|----------------|-----------|----|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                | %<br>Loss | KW |            |              | KVAR |
| PL.24852     | PL.9800     | C   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.43                     | 0.13         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 0.977          | 0.011     | 0  | 0          | 0            | 1    |
| PD.1575      | PL.24852    | C   | fuse6AMP           | 7.41Y     | 123.6        | 0.00            | 2.43                     | 0.13         | 2        | 1          | 0    | 100     | 0.00       | 0.0               | 0.977          | 0.000     | 0  | 0          | 0            | 1    |
| PL.24853     | PD.1575     | C   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.43                     | 0.13         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.033          | 0.056     | 0  | 0          | 0            | 1    |
| 475511       | PL.24853    | C   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.43                     | 0.13         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.033          | 0.000     | 1  | 0          | 1            | 1    |
| PL.9801      | PL.9800     | A   | 1/0ACSR            | 7.43Y     | 123.9        | 0.06            | 2.14                     | 136.28       | 41       | 997        | 183  | 98      | 1.27       | 0.0               | 0.995          | 0.029     | 0  | 0          | 0            | 176  |
|              |             | B   |                    | 7.44Y     | 123.9        | 0.06            | 2.07                     | 119.31       | 36       | 867        | 190  | 98      |            |                   |                |           | 0  | 0          | 0            | 137  |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.07            | 2.50                     | 137.33       | 42       | 1000       | 192  | 98      |            |                   |                |           | 0  | 0          | 0            | 168  |
| PL.24103     | PL.9801     | A   | 1/0ACSR            | 7.43Y     | 123.9        | 0.00            | 2.14                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 0.997          | 0.002     | 0  | 0          | 0            | 0    |
|              |             | B   |                    | 7.44Y     | 123.9        | 0.00            | 2.07                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |           | 0  | 0          | 0            | 0    |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.00            | 2.50                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                |           | 0  | 0          | 0            | 0    |
| PL.9802      | PL.9801     | A   | 1/0ACSR            | 7.43Y     | 123.8        | 0.07            | 2.21                     | 136.28       | 41       | 996        | 183  | 98      | 1.42       | 0.0               | 1.027          | 0.032     | 0  | 0          | 0            | 176  |
|              |             | B   |                    | 7.43Y     | 123.9        | 0.06            | 2.13                     | 119.31       | 36       | 867        | 189  | 98      |            |                   |                |           | 0  | 0          | 0            | 137  |
|              |             | C   |                    | 7.41Y     | 123.4        | 0.08            | 2.58                     | 137.33       | 42       | 999        | 192  | 98      |            |                   |                |           | 0  | 0          | 0            | 168  |
| PL.24850     | PL.9802     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.21                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.038          | 0.011     | 0  | 0          | 0            | 1    |
| PD.1566      | PL.24850    | A   | fuse6AMP           | 7.43Y     | 123.8        | 0.00            | 2.21                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.038          | 0.000     | 0  | 0          | 0            | 1    |
| PL.24851     | PD.1566     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.21                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.394          | 0.356     | 0  | 0          | 0            | 1    |
| 475504       | PL.24851    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.394          | 0.000     | 0  | 0          | 0            | 0    |
| 475537       | PL.24851    | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.21                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.394          | 0.000     | 0  | 0          | 1            | 1    |
| PL.9803      | PL.9802     | A   | 1/0ACSR            | 7.40Y     | 123.4        | 0.42            | 2.63                     | 136.28       | 41       | 996        | 182  | 98      | 8.70       | 0.3               | 1.223          | 0.196     | 0  | 0          | 0            | 175  |
|              |             | B   |                    | 7.41Y     | 123.5        | 0.38            | 2.51                     | 119.31       | 36       | 866        | 189  | 98      |            |                   |                |           | 0  | 0          | 0            | 137  |
|              |             | C   |                    | 7.38Y     | 122.9        | 0.48            | 3.07                     | 137.33       | 42       | 999        | 191  | 98      |            |                   |                |           | 0  | 0          | 0            | 168  |
| PL.6798      | PL.9803     | A   | 1/0ACSR            | 7.39Y     | 123.2        | 0.20            | 2.83                     | 136.28       | 41       | 993        | 179  | 98      | 4.05       | 0.1               | 1.315          | 0.092     | 0  | 0          | 0            | 175  |
|              |             | B   |                    | 7.40Y     | 123.3        | 0.18            | 2.69                     | 119.31       | 36       | 864        | 187  | 98      |            |                   |                |           | 0  | 0          | 0            | 137  |
|              |             | C   |                    | 7.36Y     | 122.7        | 0.22            | 3.29                     | 135.56       | 41       | 982        | 186  | 98      |            |                   |                |           | 0  | 0          | 0            | 166  |
| 474506       | PL.6798     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.97         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 1.315          | 0.000     | 7  | 1          | 1            | 1    |
| 474503       | PL.6798     | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.69                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 1.315          | 0.000     | 0  | 0          | 1            | 1    |
| PL.6799      | PL.6798     | A   | 1/0ACSR            | 7.38Y     | 122.9        | 0.24            | 3.07                     | 136.28       | 41       | 991        | 177  | 98      | 4.83       | 0.2               | 1.425          | 0.110     | 0  | 0          | 0            | 175  |
|              |             | B   |                    | 7.39Y     | 123.1        | 0.21            | 2.90                     | 118.34       | 36       | 856        | 185  | 98      |            |                   |                |           | 0  | 0          | 0            | 135  |
|              |             | C   |                    | 7.35Y     | 122.4        | 0.27            | 3.56                     | 135.56       | 41       | 981        | 184  | 98      |            |                   |                |           | 0  | 0          | 0            | 166  |
| PL.9210      | PL.6799     | A   | 1/0ACSR            | 7.36Y     | 122.7        | 0.19            | 3.26                     | 136.28       | 41       | 990        | 175  | 98      | 3.87       | 0.1               | 1.514          | 0.089     | 0  | 0          | 0            | 175  |
|              |             | B   |                    | 7.38Y     | 122.9        | 0.17            | 3.07                     | 116.63       | 35       | 842        | 181  | 98      |            |                   |                |           | 0  | 0          | 0            | 132  |
|              |             | C   |                    | 7.33Y     | 122.2        | 0.22            | 3.78                     | 135.56       | 41       | 979        | 183  | 98      |            |                   |                |           | 0  | 0          | 0            | 166  |
| PL.9188      | PL.9210     | A   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.26                     | 1.39         | 1        | 10         | 2    | 98      | 0.00       | 0.0               | 1.519          | 0.006     | 0  | 0          | 0            | 2    |
| PD.1564      | PL.9188     | A   | fuse6AMP           | 7.36Y     | 122.7        | 0.00            | 3.26                     | 1.39         | 24       | 10         | 2    | 98      | 0.00       | 0.0               | 1.519          | 0.000     | 0  | 0          | 0            | 2    |
| PL.9189      | PD.1564     | A   | 4ACSR              | 7.36Y     | 122.7        | 0.01            | 3.27                     | 1.39         | 1        | 10         | 2    | 98      | 0.00       | 0.0               | 1.609          | 0.090     | 0  | 0          | 0            | 2    |
| PL.24108     | PL.9189     | A   | 4ACSR              | 7.36Y     | 122.7        | 0.00            | 3.27                     | 0.11         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.725          | 0.116     | 0  | 0          | 0            | 1    |
| 474510       | PL.24108    | A   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.27                     | 0.11         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 1.725          | 0.000     | 1  | 0          | 1            | 1    |
| 474516       | PL.9189     | A   | Consumer           | 7.36Y     | 122.7        | 0.00            | 3.27                     | 1.28         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 1.609          | 0.000     | 9  | 2          | 1            | 1    |
| PL.9211      | PL.9210     | A   | 1/0ACSR            | 7.35Y     | 122.4        | 0.32            | 3.57                     | 134.90       | 41       | 978        | 172  | 98      | 6.44       | 0.2               | 1.663          | 0.149     | 0  | 0          | 0            | 173  |
|              |             | B   |                    | 7.36Y     | 122.6        | 0.28            | 3.36                     | 116.63       | 35       | 841        | 180  | 98      |            |                   |                |           | 0  | 0          | 0            | 132  |
|              |             | C   |                    | 7.31Y     | 121.9        | 0.36            | 4.14                     | 135.56       | 41       | 977        | 181  | 98      |            |                   |                |           | 0  | 0          | 0            | 166  |
| PL.8828      | PL.9211     | C   | 4ACSR              | 7.31Y     | 121.9        | 0.00            | 4.14                     | 4.30         | 2        | 31         | 5    | 99      | 0.00       | 0.0               | 1.672          | 0.009     | 0  | 0          | 0            | 7    |
| PD.1563      | PL.8828     | C   | fuse6AMP           | 7.31Y     | 121.9        | 0.00            | 4.14                     | 4.30         | 73       | 31         | 5    | 99      | 0.00       | 0.0               | 1.672          | 0.000     | 0  | 0          | 0            | 7    |
| PL.8829      | PD.1563     | C   | 4ACSR              | 7.31Y     | 121.8        | 0.02            | 4.16                     | 4.30         | 2        | 31         | 5    | 99      | 0.00       | 0.0               | 1.768          | 0.096     | 0  | 0          | 0            | 7    |
| PL.6800      | PL.8829     | C   | 4ACSR              | 7.31Y     | 121.8        | 0.05            | 4.21                     | 4.30         | 2        | 31         | 5    | 99      | 0.01       | 0.0               | 2.039          | 0.271     | 0  | 0          | 0            | 7    |
| 474401       | PL.6800     | C   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.21                     | 1.48         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 2.039          | 0.000     | 11 | 2          | 1            | 1    |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf         | Type/<br>Conductor | Pri<br>kV               | Base<br>Volt            | Element<br>Drop      | Units Displayed In Volts |                            |                |                   |                   |                |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR        | Cons<br>On  | Cons<br>Thru |                   |
|--------------|-------------|-------------|--------------------|-------------------------|-------------------------|----------------------|--------------------------|----------------------------|----------------|-------------------|-------------------|----------------|-----------|-------------------|-------------------------------------|-------|-------------|-------------|--------------|-------------------|
|              |             |             |                    |                         |                         |                      | Accum<br>Drop            | Thru<br>Amps               | %<br>Cap       | Thru<br>KW        | %<br>PF           | kW<br>Loss     | %<br>Loss |                   |                                     |       |             |             |              |                   |
| PL.6801      | PL.6800     | C           | 4ACSR              | 7.31Y                   | 121.8                   | 0.00                 | 4.22                     | 2.83                       | 1              | 20                | 3                 | 99             | 0.00      | 0.0               | 2.077                               | 0.038 | 0           | 0           | 0            | 6                 |
| PL.24110     | PL.6801     | C           | 4ACSR              | 7.31Y                   | 121.8                   | 0.00                 | 4.22                     | 0.90                       | 0              | 6                 | 1                 | 99             | 0.00      | 0.0               | 2.160                               | 0.083 | 0           | 0           | 0            | 1                 |
| 474406       | PL.24110    | C           | Consumer           | 7.31Y                   | 121.8                   | 0.00                 | 4.22                     | 0.90                       | 0              | 6                 | 1                 | 99             | 0.00      | 0.0               | 2.160                               | 0.000 | 6           | 1           | 1            | 1                 |
| PL.24109     | PL.6801     | C           | 4ACSR              | 7.31Y                   | 121.8                   | 0.01                 | 4.22                     | 1.93                       | 1              | 14                | 2                 | 99             | 0.00      | 0.0               | 2.143                               | 0.066 | 0           | 0           | 0            | 4                 |
| PL.9212      | PL.24109    | C           | 4ACSR              | 7.31Y                   | 121.8                   | 0.01                 | 4.23                     | 1.76                       | 1              | 13                | 2                 | 99             | 0.00      | 0.0               | 2.248                               | 0.105 | 0           | 0           | 0            | 3                 |
| PL.24107     | PL.9212     | C           | 4ACSR              | 7.31Y                   | 121.8                   | 0.00                 | 4.23                     | 0.40                       | 0              | 3                 | 0                 | 100            | 0.00      | 0.0               | 2.365                               | 0.117 | 0           | 0           | 0            | 1                 |
| 474414       | PL.24107    | C           | Consumer           | 7.31Y                   | 121.8                   | 0.00                 | 4.23                     | 0.40                       | 0              | 3                 | 0                 | 100            | 0.00      | 0.0               | 2.365                               | 0.000 | 3           | 0           | 1            | 1                 |
| 474412       | PL.9212     | C           | Consumer           | 7.31Y                   | 121.8                   | 0.00                 | 4.23                     | 1.00                       | 0              | 7                 | 1                 | 99             | 0.00      | 0.0               | 2.248                               | 0.000 | 7           | 1           | 1            | 1                 |
| PL.9213      | PL.9212     | C           | 4ACSR              | 7.31Y                   | 121.8                   | 0.00                 | 4.23                     | 0.35                       | 0              | 3                 | 0                 | 100            | 0.00      | 0.0               | 2.368                               | 0.120 | 0           | 0           | 0            | 1                 |
| 474405       | PL.9213     | C           | Consumer           | 7.31Y                   | 121.8                   | 0.00                 | 4.23                     | 0.35                       | 0              | 3                 | 0                 | 100            | 0.00      | 0.0               | 2.368                               | 0.000 | 3           | 0           | 1            | 1                 |
| PL.24106     | PL.24109    | C           | 4ACSR              | 7.31Y                   | 121.8                   | 0.00                 | 4.22                     | 0.17                       | 0              | 1                 | 0                 | 100            | 0.00      | 0.0               | 2.184                               | 0.041 | 0           | 0           | 0            | 1                 |
| 474415       | PL.24106    | C           | Consumer           | 7.31Y                   | 121.8                   | 0.00                 | 4.22                     | 0.00                       | 0              | 0                 | 0                 | 100            | 0.00      | 0.0               | 2.184                               | 0.000 | 0           | 0           | 0            | 0                 |
| 474403       | PL.24106    | C           | Consumer           | 7.31Y                   | 121.8                   | 0.00                 | 4.22                     | 0.17                       | 0              | 1                 | 0                 | 100            | 0.00      | 0.0               | 2.184                               | 0.000 | 1           | 0           | 1            | 1                 |
| 474408       | PL.6801     | C           | Consumer           | 7.31Y                   | 121.8                   | 0.00                 | 4.22                     | 0.00                       | 0              | 0                 | 0                 | 100            | 0.00      | 0.0               | 2.077                               | 0.000 | 0           | 0           | 1            | 1                 |
| PL.9209      | PL.9211     | A<br>B<br>C | 1/0ACSR            | 7.34Y<br>7.36Y<br>7.31Y | 122.4<br>122.6<br>121.8 | 0.03<br>0.02<br>0.03 | 3.60<br>3.38<br>4.17     | 134.90<br>116.63<br>131.26 | 41<br>35<br>40 | 976<br>839<br>944 | 170<br>179<br>174 | 99<br>98<br>98 | 0.50      | 0.0               | 1.675                               | 0.012 | 0<br>0<br>0 | 0<br>0<br>0 | 0<br>0<br>0  | 173<br>132<br>159 |
| PL.9208      | PL.9209     | A<br>B<br>C | 1/0ACSR            | 7.33Y<br>7.35Y<br>7.30Y | 122.2<br>122.5<br>121.7 | 0.16<br>0.14<br>0.18 | 3.76<br>3.52<br>4.35     | 133.93<br>116.63<br>131.26 | 41<br>35<br>40 | 969<br>839<br>944 | 168<br>179<br>174 | 99<br>98<br>98 | 3.17      | 0.1               | 1.750                               | 0.076 | 0<br>0<br>0 | 0<br>0<br>0 | 0<br>0<br>0  | 170<br>132<br>159 |
| PL.9203      | PL.9208     | A<br>B<br>C | 1/0ACSR            | 7.30Y<br>7.32Y<br>7.26Y | 121.7<br>122.0<br>121.0 | 0.58<br>0.49<br>0.66 | 4.34<br>4.01<br>5.01     | 133.93<br>111.12<br>131.26 | 41<br>34<br>40 | 968<br>798<br>942 | 167<br>171<br>172 | 99<br>98<br>98 | 11.34     | 0.4               | 2.027                               | 0.277 | 0<br>0<br>0 | 0<br>0<br>0 | 0<br>0<br>0  | 170<br>128<br>159 |
| PL.18431     | PL.9203     | A           | 4ACSR              | 7.30Y                   | 121.7                   | 0.00                 | 4.35                     | 18.20                      | 9              | 131               | 22                | 99             | 0.00      | 0.0               | 2.032                               | 0.005 | 0           | 0           | 0            | 20                |
| C PD.1568    | PL.18431    | A           | fuse6AMP           | 7.30Y                   | 121.7                   | 0.00                 | 4.35                     | 18.20                      | 311            | 131               | 22                | 99             | 0.00      | 0.0               | 2.032                               | 0.000 | 0           | 0           | 0            | 20 C              |
| PL.18430     | PD.1568     | A           | 4ACSR              | 7.30Y                   | 121.6                   | 0.01                 | 4.36                     | 18.20                      | 9              | 131               | 22                | 99             | 0.01      | 0.0               | 2.043                               | 0.011 | 0           | 0           | 0            | 20                |
| PL.33075     | PL.18430    | A           | 4ACSR              | 7.29Y                   | 121.5                   | 0.12                 | 4.48                     | 16.63                      | 9              | 120               | 20                | 99             | 0.11      | 0.1               | 2.213                               | 0.170 | 0           | 0           | 0            | 19                |
| 4735043      | PL.33075    | A           | Consumer           | 7.29Y                   | 121.5                   | 0.00                 | 4.48                     | 2.14                       | 0              | 15                | 3                 | 98             | 0.00      | 0.0               | 2.213                               | 0.000 | 15          | 3           | 1            | 1                 |
| 4735045      | PL.33075    | A           | Consumer           | 7.29Y                   | 121.5                   | 0.00                 | 4.48                     | 0.02                       | 0              | 0                 | 0                 | 100            | 0.00      | 0.0               | 2.213                               | 0.000 | 0           | 0           | 1            | 1                 |
| PL.33074     | PL.33075    | A           | 4ACSR              | 7.29Y                   | 121.5                   | 0.03                 | 4.51                     | 14.47                      | 7              | 104               | 17                | 99             | 0.03      | 0.0               | 2.264                               | 0.051 | 0           | 0           | 0            | 17                |
| 4735042      | PL.33074    | A           | Consumer           | 7.29Y                   | 121.5                   | 0.00                 | 4.51                     | 0.01                       | 0              | 0                 | 0                 | 100            | 0.00      | 0.0               | 2.264                               | 0.000 | 0           | 0           | 1            | 1                 |
| PL.33072     | PL.33074    | A           | 4ACSR              | 7.29Y                   | 121.4                   | 0.04                 | 4.55                     | 14.45                      | 7              | 104               | 17                | 99             | 0.03      | 0.0               | 2.327                               | 0.063 | 0           | 0           | 0            | 16                |
| PL.9053      | PL.33072    | A           | 4ACSR              | 7.29Y                   | 121.4                   | 0.02                 | 4.57                     | 11.17                      | 6              | 80                | 13                | 99             | 0.01      | 0.0               | 2.368                               | 0.041 | 0           | 0           | 0            | 14                |
| PL.6822      | PL.9053     | A           | 4ACSR              | 7.29Y                   | 121.4                   | 0.00                 | 4.57                     | 9.78                       | 5              | 70                | 12                | 99             | 0.00      | 0.0               | 2.376                               | 0.008 | 0           | 0           | 0            | 13                |
| PL.7215      | PL.6822     | A           | 4ACSR              | 7.28Y                   | 121.4                   | 0.02                 | 4.59                     | 9.78                       | 5              | 70                | 12                | 99             | 0.01      | 0.0               | 2.416                               | 0.040 | 0           | 0           | 0            | 13                |
| 529501       | PL.7215     | A           | Consumer           | 7.28Y                   | 121.4                   | 0.00                 | 4.59                     | 0.70                       | 0              | 5                 | 1                 | 98             | 0.00      | 0.0               | 2.416                               | 0.000 | 5           | 1           | 1            | 1                 |
| PL.9057      | PL.7215     | A           | 4ACSR              | 7.28Y                   | 121.4                   | 0.02                 | 4.61                     | 9.08                       | 5              | 65                | 11                | 99             | 0.01      | 0.0               | 2.469                               | 0.053 | 0           | 0           | 0            | 12                |
| PL.9056      | PL.9057     | A           | 4ACSR              | 7.28Y                   | 121.4                   | 0.01                 | 4.62                     | 8.31                       | 4              | 60                | 10                | 99             | 0.00      | 0.0               | 2.498                               | 0.030 | 0           | 0           | 0            | 11                |
| PL.6818      | PL.9056     | A           | 4ACSR              | 7.28Y                   | 121.4                   | 0.01                 | 4.63                     | 8.31                       | 4              | 60                | 10                | 99             | 0.00      | 0.0               | 2.515                               | 0.016 | 0           | 0           | 0            | 11                |
| 473532       | PL.6818     | A           | Consumer           | 7.28Y                   | 121.4                   | 0.00                 | 4.63                     | 0.51                       | 0              | 4                 | 1                 | 97             | 0.00      | 0.0               | 2.515                               | 0.000 | 4           | 1           | 1            | 1                 |
| 528502       | PL.6818     | A           | Consumer           | 7.28Y                   | 121.4                   | 0.00                 | 4.63                     | 0.59                       | 0              | 4                 | 1                 | 97             | 0.00      | 0.0               | 2.515                               | 0.000 | 4           | 1           | 1            | 1                 |



Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.6817, PL.19741, etc.

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Units Displayed In Volts (Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi)), Element (KW, KVAR), Cons On, Cons Thru. Includes rows for elements like 528203, PL.8656, PL.10402, etc.

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Rows include elements like PL.19627, PL.19628, PL.27886, etc.

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.10335     | PL.17646    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.01            | 0.77                     | 6.90         | 4        | 51         | 9       | 98         | 0.02      | 0.0               | 3.460                               | 0.046 | 0    | 0          | 0            | 20 |
|              |             | B   |                    | 7.53Y     | 125.5        | -0.00           | 0.48                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.03            | 1.18                     | 13.36        | 7        | 99         | 17      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 22 |
| 473515       | PL.10335    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.460                               | 0.000 | 0    | 0          | 1            | 1  |
| 473525       | PL.10335    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.460                               | 0.000 | 0    | 0          | 1            | 1  |
| 473505       | PL.10335    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.17         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.460                               | 0.000 | 1    | 0          | 1            | 1  |
| 473504       | PL.10335    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.460                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.6595      | PL.10335    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.01            | 0.78                     | 6.50         | 3        | 48         | 9       | 98         | 0.03      | 0.0               | 3.519                               | 0.059 | 0    | 0          | 0            | 16 |
|              |             | B   |                    | 7.53Y     | 125.5        | -0.00           | 0.48                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.04            | 1.22                     | 13.36        | 7        | 99         | 17      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 22 |
| PD.3540      | PL.6595     | A   | 50H                | 7.51Y     | 125.2        | 0.00            | 0.78                     | 6.50         | 13       | 48         | 9       | 98         | 0.00      | 0.0               | 3.519                               | 0.000 | 0    | 0          | 0            | 16 |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.00            | 1.22                     | 13.36        | 27       | 99         | 17      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 22 |
| PL.6815      | PD.3540     | A   | 1/0ACSR            | 7.51Y     | 125.2        | 0.00            | 0.78                     | 6.50         | 2        | 48         | 9       | 98         | 0.01      | 0.0               | 3.556                               | 0.037 | 0    | 0          | 0            | 16 |
|              |             | B   |                    | 7.53Y     | 125.5        | -0.00           | 0.48                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.01            | 1.23                     | 13.36        | 4        | 99         | 17      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 22 |
| 473523       | PL.6815     | C   | Consumer           | 7.49Y     | 124.8        | 0.00            | 1.23                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.556                               | 0.000 | 0    | 0          | 1            | 1  |
| PL.9071      | PL.6815     | A   | 1/0ACSR            | 7.51Y     | 125.2        | 0.00            | 0.78                     | 6.50         | 2        | 48         | 9       | 98         | 0.01      | 0.0               | 3.605                               | 0.049 | 0    | 0          | 0            | 16 |
|              |             | B   |                    | 7.53Y     | 125.5        | -0.00           | 0.48                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.02            | 1.25                     | 13.34        | 4        | 98         | 17      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 21 |
| PL.9074      | PL.9071     | A   | 1/0ACSR            | 7.51Y     | 125.2        | 0.01            | 0.79                     | 6.50         | 2        | 48         | 9       | 98         | 0.03      | 0.0               | 3.831                               | 0.226 | 0    | 0          | 0            | 16 |
|              |             | B   |                    | 7.53Y     | 125.5        | -0.00           | 0.48                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.06            | 1.30                     | 10.37        | 3        | 77         | 13      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 19 |
| PL.10399     | PL.9074     | A   | 1/0ACSR            | 7.51Y     | 125.2        | 0.00            | 0.79                     | 6.50         | 2        | 48         | 9       | 98         | 0.00      | 0.0               | 3.836                               | 0.005 | 0    | 0          | 0            | 16 |
|              |             | B   |                    | 7.53Y     | 125.5        | -0.00           | 0.48                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.48Y     | 124.7        | 0.00            | 1.30                     | 10.37        | 3        | 77         | 13      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 19 |
| 473508       | PL.10399    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.79                     | 1.63         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 3.836                               | 0.000 | 12   | 2          | 1            | 1  |
| 473538       | PL.10399    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.79                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.836                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.18678     | PL.10399    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.79                     | 1.14         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.846                               | 0.010 | 0    | 0          | 0            | 1  |
| PD.3058      | PL.18678    | A   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.79                     | 1.14         | 20       | 8          | 1       | 99         | 0.00      | 0.0               | 3.846                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.18679     | PD.3058     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.01            | 0.80                     | 1.14         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 4.027                               | 0.181 | 0    | 0          | 0            | 1  |
| PL.24097     | PL.18679    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.80                     | 1.14         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 4.052                               | 0.025 | 0    | 0          | 0            | 1  |
| 473510       | PL.24097    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 1.14         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 4.052                               | 0.000 | 8    | 1          | 1            | 1  |
| PL.7049      | PL.10399    | A   | 1/0ACSR            | 7.51Y     | 125.2        | -0.00           | 0.78                     | 3.46         | 1        | 25         | 5       | 98         | 0.03      | 0.0               | 4.058                               | 0.222 | 0    | 0          | 0            | 13 |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.05            | 1.36                     | 10.37        | 3        | 77         | 13      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 19 |
| PL.9075      | PL.7049     | A   | 1/0ACSR            | 7.51Y     | 125.2        | -0.00           | 0.78                     | 3.46         | 1        | 25         | 5       | 98         | 0.02      | 0.0               | 4.223                               | 0.165 | 0    | 0          | 0            | 13 |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.48                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.48Y     | 124.6        | 0.04            | 1.40                     | 10.37        | 3        | 77         | 13      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 19 |
| PL.9077      | PL.9075     | A   | 1/0ACSR            | 7.51Y     | 125.2        | -0.02           | 0.76                     | 1.44         | 0        | 11         | 2       | 98         | 0.04      | 0.0               | 4.570                               | 0.346 | 0    | 0          | 0            | 9  |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.01            | 0.49                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.47Y     | 124.5        | 0.08            | 1.48                     | 10.37        | 3        | 76         | 13      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 19 |
| PL.9078      | PL.9077     | A   | 1/0ACSR            | 7.52Y     | 125.3        | -0.01           | 0.75                     | 1.44         | 0        | 11         | 2       | 98         | 0.01      | 0.0               | 4.697                               | 0.128 | 0    | 0          | 0            | 8  |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.47Y     | 124.5        | 0.03            | 1.51                     | 10.37        | 3        | 76         | 13      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 19 |
| PL.9079      | PL.9078     | A   | 1/0ACSR            | 7.52Y     | 125.3        | -0.01           | 0.74                     | 0.04         | 0        | 0          | 0       | 100        | 0.01      | 0.0               | 4.769                               | 0.071 | 0    | 0          | 0            | 1  |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.50                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.47Y     | 124.5        | 0.01            | 1.52                     | 9.75         | 3        | 72         | 12      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 18 |
| PL.9080      | PL.9079     | A   | 1/0ACSR            | 7.52Y     | 125.3        | -0.02           | 0.72                     | 0.04         | 0        | 0          | 0       | 100        | 0.02      | 0.0               | 4.932                               | 0.163 | 0    | 0          | 0            | 1  |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.01            | 0.51                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.47Y     | 124.4        | 0.03            | 1.56                     | 9.75         | 3        | 72         | 12      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 18 |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |                              | mi<br>From<br>Src | Length<br>(mi) | Element |      | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|------------------------------|-------------------|----------------|---------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss                    |                   |                | KW      | KVAR |            |              |    |
| PL.3009      | PL.9080     | C   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.56                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.025          | 0.093   | 0    | 0          | 0            | 0  |
| PL.9081      | PL.9080     | A   | 1/0ACSR            | 7.52Y     | 125.3        | -0.01           | 0.72                     | 0.04         | 0        | 0          | 0         | 100        | 0.01                         | 0.0               | 4.999          | 0.067   | 0    | 0          | 0            | 1  |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.00         | 0        | 0          | 0         | 100        |                              |                   |                |         | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.47Y     | 124.4        | 0.01            | 1.57                     | 9.75         | 3        | 72         | 12        | 99         |                              |                   |                |         | 0    | 0          | 0            | 18 |
| PL.27923     | PL.9081     | A   | 1/0ACSR            | 7.52Y     | 125.3        | -0.00           | 0.72                     | 0.04         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.014          | 0.015   | 0    | 0          | 0            | 1  |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.00            | 0.51                     | 0.00         | 0        | 0          | 0         | 100        |                              |                   |                |         | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.47Y     | 124.4        | 0.00            | 1.57                     | 1.23         | 0        | 9          | 2         | 99         |                              |                   |                |         | 0    | 0          | 0            | 4  |
| RG.18        | PL.27923    | A   | 1ph-100A-7         | 7.56Y     | 126.0        | -0.72           | 0.00                     | 0.04         | 0        | 0          | 0         | 100        | percent Boost= 0.57 Tap= 0.9 |                   |                |         |      |            |              | 1  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.51           | 0.00                     | 0.00         | 0        | 0          | 0         | 100        | percent Boost= 0.41 Tap= 0.7 |                   |                |         |      |            |              |    |
|              |             | C   |                    | 7.56Y     | 126.0        | -1.57           | 0.00                     | 1.23         | 1        | 9          | 2         | 99         | percent Boost= 1.26 Tap= 2.0 |                   |                |         |      |            |              |    |
| PL.45389     | RG.18       | A   | 1/0ACSR            | 7.56Y     | 126.0        | -0.00           | -0.00                    | 0.04         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.374          | 0.361   | 0    | 0          | 0            | 1  |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.00         | 0        | 0          | 0         | 100        |                              |                   |                |         | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.56Y     | 126.0        | 0.01            | 0.01                     | 1.21         | 0        | 9          | 2         | 99         |                              |                   |                |         | 0    | 0          | 0            | 4  |
| PL.45391     | PL.45389    | C   | 2ACSR              | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.388          | 0.013   | 0    | 0          | 0            | 0  |
| PD.8643      | PL.45391    | C   | fuse6AMP           | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.388          | 0.000   | 0    | 0          | 0            | 0  |
| PL.45392     | PD.8643     | C   | 2ACSR              | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.500          | 0.112   | 0    | 0          | 0            | 0  |
| 4737020      | PL.45392    | C   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.500          | 0.000   | 0    | 0          | 0            | 0  |
| PL.45390     | PL.45389    | A   | 1/0ACSR            | 7.56Y     | 126.0        | -0.00           | -0.01                    | 0.04         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.533          | 0.158   | 0    | 0          | 0            | 1  |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.00         | 0        | 0          | 0         | 100        |                              |                   |                |         | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.56Y     | 126.0        | 0.00            | 0.01                     | 1.21         | 0        | 9          | 2         | 99         |                              |                   |                |         | 0    | 0          | 0            | 4  |
| PL.9085      | PL.45390    | A   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | -0.00                    | 0.04         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.842          | 0.309   | 0    | 0          | 0            | 1  |
|              |             | B   |                    | 7.56Y     | 126.0        | -0.00           | 0.00                     | 0.00         | 0        | 0          | 0         | 100        |                              |                   |                |         | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0         | 100        |                              |                   |                |         | 0    | 0          | 0            | 1  |
| PL.9086      | PL.9085     | A   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | -0.00                    | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.901          | 0.059   | 0    | 0          | 0            | 0  |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.00         | 0        | 0          | 0         | 100        |                              |                   |                |         | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0         | 100        |                              |                   |                |         | 0    | 0          | 0            | 1  |
| PL.27712     | PL.9086     | C   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.929          | 0.027   | 0    | 0          | 0            | 1  |
| PD.1530      | PL.27712    | C   | fuse6AMP           | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.929          | 0.000   | 0    | 0          | 0            | 1  |
| PL.27713     | PD.1530     | C   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.942          | 0.013   | 0    | 0          | 0            | 1  |
| PL.19550     | PL.27713    | C   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.988          | 0.047   | 0    | 0          | 0            | 1  |
| PL.19551     | PL.19550    | C   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 6.091          | 0.103   | 0    | 0          | 0            | 1  |
| 472711       | PL.19551    | C   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 6.091          | 0.000   | 0    | 0          | 1            | 1  |
| PL.9084      | PL.9086     | A   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | -0.00                    | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.919          | 0.017   | 0    | 0          | 0            | 0  |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.00         | 0        | 0          | 0         | 100        |                              |                   |                |         | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0         | 100        |                              |                   |                |         | 0    | 0          | 0            | 0  |
| PL.9481      | PL.9084     | A   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | -0.00                    | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.951          | 0.032   | 0    | 0          | 0            | 0  |
|              |             | B   |                    | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.00         | 0        | 0          | 0         | 100        |                              |                   |                |         | 0    | 0          | 0            | 0  |
|              |             | C   |                    | 7.56Y     | 126.0        | 0.00            | 0.01                     | 0.00         | 0        | 0          | 0         | 100        |                              |                   |                |         | 0    | 0          | 0            | 0  |
| PL.45150     | PL.9085     | A   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | -0.00                    | 0.04         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.847          | 0.005   | 0    | 0          | 0            | 1  |
| PD.8597      | PL.45150    | A   | fuse6AMP           | 7.56Y     | 126.0        | 0.00            | -0.00                    | 0.04         | 1        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.847          | 0.000   | 0    | 0          | 0            | 1  |
| PL.45151     | PD.8597     | A   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | -0.00                    | 0.04         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.905          | 0.058   | 0    | 0          | 0            | 1  |
| 473714       | PL.45151    | A   | Consumer           | 7.56Y     | 126.0        | 0.00            | -0.00                    | 0.04         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.905          | 0.000   | 0    | 0          | 1            | 1  |
| PL.17821     | PL.9085     | B   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.868          | 0.027   | 0    | 0          | 0            | 0  |
| PD.1540      | PL.17821    | B   | fuse6AMP           | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.868          | 0.000   | 0    | 0          | 0            | 0  |
| PL.17822     | PD.1540     | B   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.964          | 0.096   | 0    | 0          | 0            | 0  |
| 473713       | PL.17822    | B   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.00                     | 0.00         | 0        | 0          | 0         | 100        | 0.00                         | 0.0               | 5.964          | 0.000   | 0    | 0          | 0            | 0  |
| PL.33658     | PL.45390    | C   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.01                     | 1.21         | 1        | 9          | 2         | 98         | 0.00                         | 0.0               | 5.536          | 0.003   | 0    | 0          | 0            | 3  |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| PD.3987      | PL.33658    | C   | fuse6AMP           | 7.56Y     | 126.0        | 0.00            | 0.01                     | 1.21         | 21       | 9          | 2    | 98      | 0.00       | 0.0               | 5.536             | 0.000          | 0          | 0            | 0  | 3    |
| PL.33659     | PD.3987     | C   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.02                     | 1.21         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 5.613             | 0.077          | 0          | 0            | 0  | 3    |
| PL.24944     | PL.33659    | C   | 4ACSR              | 7.56Y     | 126.0        | 0.01            | 0.03                     | 1.02         | 1        | 8          | 1    | 99      | 0.00       | 0.0               | 5.799             | 0.186          | 0          | 0            | 0  | 1    |
| 473707       | PL.24944    | C   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.03                     | 1.02         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 5.799             | 0.000          | 8          | 1            | 1  | 1    |
| PL.9083      | PL.24944    | C   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.03                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.313             | 0.514          | 0          | 0            | 0  | 0    |
| PL.24941     | PL.9083     | C   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.03                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.468             | 0.155          | 0          | 0            | 0  | 0    |
| PL.24942     | PL.24941    | C   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.03                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.567             | 0.099          | 0          | 0            | 0  | 0    |
| 474703       | PL.24942    | C   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.03                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.567             | 0.000          | 0          | 0            | 0  | 0    |
| 474702       | PL.24941    | C   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.03                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.468             | 0.000          | 0          | 0            | 0  | 0    |
| PL.21393     | PL.9083     | C   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.03                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.795             | 0.481          | 0          | 0            | 0  | 0    |
| PL.21394     | PL.21393    | C   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.03                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.795             | 0.000          | 0          | 0            | 0  | 0    |
| 474704       | PL.21393    | C   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.03                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.795             | 0.000          | 0          | 0            | 0  | 0    |
| 474705       | PL.21393    | C   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.03                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.795             | 0.000          | 0          | 0            | 0  | 0    |
| PL.10326     | PL.33659    | C   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.02                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.627             | 0.014          | 0          | 0            | 0  | 1    |
| PD.1543      | PL.10326    | C   | fuse6AMP           | 7.56Y     | 126.0        | 0.00            | 0.02                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.627             | 0.000          | 0          | 0            | 0  | 1    |
| PL.10327     | PD.1543     | C   | 4ACSR              | 7.56Y     | 126.0        | 0.00            | 0.02                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.727             | 0.099          | 0          | 0            | 0  | 1    |
| 473711       | PL.10327    | C   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.02                     | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.727             | 0.000          | 0          | 0            | 1  | 1    |
| 473715       | PL.33659    | C   | Consumer           | 7.56Y     | 126.0        | 0.00            | 0.02                     | 0.17         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 5.613             | 0.000          | 1          | 0            | 1  | 1    |
| PL.38197     | PL.9081     | C   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.57                     | 8.52         | 4        | 63         | 10   | 99      | 0.00       | 0.0               | 5.003             | 0.004          | 0          | 0            | 0  | 14   |
| PD.6649-A    | PL.38197    | C   | Closed             | 7.47Y     | 124.4        | 0.00            | 1.57                     | 8.52         | 0        | 63         | 10   | 99      | 0.00       | 0.0               | 5.003             | 0.000          | 0          | 0            | 0  | 14   |
| PD.6649-B    | PD.6649-A   | C   | Closed             | 7.47Y     | 124.4        | 0.00            | 1.57                     | 8.52         | 0        | 63         | 10   | 99      | 0.00       | 0.0               | 5.003             | 0.000          | 0          | 0            | 0  | 14   |
| PL.38198     | PD.6649-B   | C   | 4ACSR              | 7.47Y     | 124.4        | 0.00            | 1.57                     | 8.52         | 4        | 63         | 10   | 99      | 0.00       | 0.0               | 5.007             | 0.003          | 0          | 0            | 0  | 14   |
| PL.33657     | PL.38198    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.10            | 1.67                     | 8.52         | 4        | 63         | 10   | 99      | 0.05       | 0.1               | 5.281             | 0.274          | 0          | 0            | 0  | 14   |
| PL.10320     | PL.33657    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.68                     | 6.66         | 3        | 49         | 8    | 99      | 0.00       | 0.0               | 5.294             | 0.013          | 0          | 0            | 0  | 10   |
| C PD.1542    | PL.10320    | C   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.68                     | 6.66         | 114      | 49         | 8    | 99      | 0.00       | 0.0               | 5.294             | 0.000          | 0          | 0            | 0  | 10 C |
| PL.10321     | PD.1542     | C   | 4ACSR              | 7.46Y     | 124.3        | 0.05            | 1.73                     | 6.66         | 3        | 49         | 8    | 99      | 0.02       | 0.0               | 5.464             | 0.170          | 0          | 0            | 0  | 10   |
| 473606       | PL.10321    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.73                     | 1.55         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 5.464             | 0.000          | 11         | 2            | 1  | 1    |
| PL.9067      | PL.10321    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.73                     | 5.11         | 3        | 38         | 6    | 99      | 0.00       | 0.0               | 5.493             | 0.029          | 0          | 0            | 0  | 9    |
| PL.9068      | PL.9067     | C   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.74                     | 1.50         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 5.612             | 0.120          | 0          | 0            | 0  | 4    |
| 473634       | PL.9068     | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.74                     | 0.42         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 5.612             | 0.000          | 3          | 1            | 1  | 1    |
| 472606       | PL.9068     | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.74                     | 1.08         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 5.612             | 0.000          | 8          | 1            | 1  | 1    |
| PL.24945     | PL.9068     | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.74                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.618             | 0.006          | 0          | 0            | 0  | 2    |
| PL.24919     | PL.24945    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.74                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.730             | 0.112          | 0          | 0            | 0  | 2    |
| 472601       | PL.24919    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.74                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.730             | 0.000          | 0          | 0            | 1  | 1    |
| PL.24920     | PL.24919    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.74                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.837             | 0.107          | 0          | 0            | 0  | 1    |
| 472605       | PL.24920    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.74                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 5.837             | 0.000          | 0          | 0            | 0  | 0    |
| PL.24921     | PL.24920    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.74                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.318             | 0.481          | 0          | 0            | 0  | 1    |
| 472603       | PL.24921    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.74                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 6.318             | 0.000          | 0          | 0            | 1  | 1    |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.3012      | PL.9067     | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.73   | 3.61         | 2        | 27         | 4       | 99         | 0.00      | 0.0               | 5.498                               | 0.005 | 0    | 0          | 0            | 5 |
| PL.3013      | PL.3012     | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.74   | 0.74         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.614                               | 0.117 | 0    | 0          | 0            | 1 |
| 473605       | PL.3013     | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.74   | 0.74         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.614                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.10324     | PL.3012     | C   | 4ACSR              | 7.46Y     | 124.3        | 0.01            | 1.75   | 2.87         | 1        | 21         | 4       | 98         | 0.00      | 0.0               | 5.596                               | 0.099 | 0    | 0          | 0            | 4 |
| PL.10325     | PL.10324    | C   | 4ACSR              | 7.45Y     | 124.2        | 0.01            | 1.75   | 2.12         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 5.664                               | 0.068 | 0    | 0          | 0            | 3 |
| 473629       | PL.10325    | C   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.75   | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.664                               | 0.000 | 1    | 0          | 1            | 1 |
| PL.3016      | PL.10325    | C   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.76   | 2.01         | 1        | 15         | 2       | 99         | 0.00      | 0.0               | 5.702                               | 0.037 | 0    | 0          | 0            | 2 |
| 473630       | PL.3016     | C   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.76   | 0.54         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 5.702                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.29320     | PL.3016     | C   | 4ACSR              | 7.45Y     | 124.2        | 0.01            | 1.77   | 1.47         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 5.885                               | 0.184 | 0    | 0          | 0            | 1 |
| PL.29321     | PL.29320    | C   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.77   | 1.47         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 5.958                               | 0.073 | 0    | 0          | 0            | 1 |
| PL.29317     | PL.29321    | C   | 4ACSR              | 7.45Y     | 124.2        | 0.01            | 1.78   | 1.47         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 6.065                               | 0.107 | 0    | 0          | 0            | 1 |
| 472607       | PL.29317    | C   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.78   | 1.47         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 6.065                               | 0.000 | 11   | 2          | 1            | 1 |
| PL.3017      | PL.10324    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.75   | 0.75         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.636                               | 0.040 | 0    | 0          | 0            | 1 |
| 473626       | PL.3017     | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.75   | 0.75         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.636                               | 0.000 | 6    | 1          | 1            | 1 |
| PL.10322     | PL.33657    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.67   | 1.12         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 5.299                               | 0.018 | 0    | 0          | 0            | 3 |
| PD.1541      | PL.10322    | C   | fuse6AMP           | 7.46Y     | 124.3        | 0.00            | 1.67   | 1.12         | 19       | 8          | 1       | 99         | 0.00      | 0.0               | 5.299                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.10323     | PD.1541     | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.68   | 1.12         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 5.372                               | 0.073 | 0    | 0          | 0            | 3 |
| 473638       | PL.10323    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.68   | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.372                               | 0.000 | 3    | 0          | 1            | 1 |
| 473608       | PL.10323    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.68   | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.372                               | 0.000 | 3    | 0          | 1            | 1 |
| PL.3014      | PL.10323    | C   | 4ACSR              | 7.46Y     | 124.3        | 0.00            | 1.68   | 0.38         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.461                               | 0.089 | 0    | 0          | 0            | 1 |
| 473617       | PL.3014     | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.68   | 0.38         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 5.461                               | 0.000 | 3    | 0          | 1            | 1 |
| 473607       | PL.33657    | C   | Consumer           | 7.46Y     | 124.3        | 0.00            | 1.67   | 0.75         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.281                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.3008      | PL.9079     | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.52   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.797                               | 0.028 | 0    | 0          | 0            | 0 |
| 473636       | PL.3008     | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.52   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.797                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.10319     | PL.9078     | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.51   | 0.62         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.717                               | 0.020 | 0    | 0          | 0            | 1 |
| PD.1544      | PL.10319    | C   | fuse6AMP           | 7.47Y     | 124.5        | 0.00            | 1.51   | 0.62         | 11       | 5          | 1       | 98         | 0.00      | 0.0               | 4.717                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.10318     | PD.1544     | C   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.51   | 0.62         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.789                               | 0.072 | 0    | 0          | 0            | 1 |
| 473632       | PL.10318    | C   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.51   | 0.62         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.789                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.26768     | PL.9078     | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.75   | 1.39         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 4.714                               | 0.016 | 0    | 0          | 0            | 7 |
| PD.1545      | PL.26768    | A   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.75   | 1.39         | 24       | 10         | 2       | 98         | 0.00      | 0.0               | 4.714                               | 0.000 | 0    | 0          | 0            | 7 |
| PL.26769     | PD.1545     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.75   | 1.39         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 4.787                               | 0.073 | 0    | 0          | 0            | 7 |
| PL.3003      | PL.26769    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.76   | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.910                               | 0.123 | 0    | 0          | 0            | 5 |
| PL.3004      | PL.3003     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.76   | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.027                               | 0.117 | 0    | 0          | 0            | 1 |
| 473619       | PL.3004     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76   | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.027                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.3005      | PL.3003     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.76   | 0.67         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.012                               | 0.102 | 0    | 0          | 0            | 2 |
| PL.3007      | PL.3005     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.76   | 0.67         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.105                               | 0.093 | 0    | 0          | 0            | 2 |
| 473640       | PL.3007     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.105                               | 0.000 | 0    | 0          | 0            | 0 |
| 473628       | PL.3007     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.105                               | 0.000 | 0    | 0          | 1            | 1 |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| 473639       | PL.3007     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.67         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.105                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.3006      | PL.3003     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.995                               | 0.085 | 0    | 0          | 0            | 2 |
| 473615       | PL.3006     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.995                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.2999      | PL.3006     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.077                               | 0.082 | 0    | 0          | 0            | 1 |
| PL.3000      | PL.2999     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.309                               | 0.232 | 0    | 0          | 0            | 1 |
| PL.3002      | PL.3000     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.363                               | 0.054 | 0    | 0          | 0            | 1 |
| 473637       | PL.3002     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.363                               | 0.000 | 0    | 0          | 1            | 1 |
| 473624       | PL.3000     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.309                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.3001      | PL.2999     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.112                               | 0.035 | 0    | 0          | 0            | 0 |
| 473633       | PL.26769    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.75                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.787                               | 0.000 | 0    | 0          | 1            | 1 |
| 473613       | PL.26769    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.75                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.787                               | 0.000 | 0    | 0          | 0            | 0 |
| 473609       | PL.26769    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.75                     | 0.66         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 4.787                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.10316     | PL.9077     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.589                               | 0.019 | 0    | 0          | 0            | 1 |
| PD.1546      | PL.10316    | A   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.589                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.10317     | PD.1546     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.673                               | 0.084 | 0    | 0          | 0            | 1 |
| 473620       | PL.10317    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.673                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.10314     | PL.9075     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.78                     | 2.02         | 1        | 15         | 3       | 98         | 0.00      | 0.0               | 4.252                               | 0.029 | 0    | 0          | 0            | 4 |
| PD.1547      | PL.10314    | A   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.78                     | 2.02         | 35       | 15         | 3       | 98         | 0.00      | 0.0               | 4.252                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.10315     | PD.1547     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.02            | 0.80                     | 2.02         | 1        | 15         | 3       | 98         | 0.00      | 0.0               | 4.446                               | 0.194 | 0    | 0          | 0            | 4 |
| PL.19987     | PL.10315    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.54         | 0        | 4          | 2       | 89         | 0.00      | 0.0               | 4.464                               | 0.017 | 0    | 0          | 0            | 3 |
| PL.19988     | PL.19987    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.54         | 0        | 4          | 2       | 89         | 0.00      | 0.0               | 4.473                               | 0.009 | 0    | 0          | 0            | 3 |
| PL.9076      | PL.19988    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.54         | 0        | 4          | 2       | 89         | 0.00      | 0.0               | 4.478                               | 0.005 | 0    | 0          | 0            | 3 |
| PL.21909     | PL.9076     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.54         | 0        | 4          | 2       | 89         | 0.00      | 0.0               | 4.508                               | 0.030 | 0    | 0          | 0            | 3 |
| PL.21910     | PL.21909    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.42         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.511                               | 0.003 | 0    | 0          | 0            | 2 |
| PL.2998      | PL.21910    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.42         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.546                               | 0.035 | 0    | 0          | 0            | 2 |
| 473627       | PL.2998     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.42         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.546                               | 0.000 | 3    | 1          | 1            | 1 |
| PL.3015      | PL.2998     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.866                               | 0.320 | 0    | 0          | 0            | 1 |
| 474602       | PL.3015     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.866                               | 0.000 | 0    | 0          | 1            | 1 |
| 473623       | PL.21909    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 0.13         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 4.508                               | 0.000 | 1    | 0          | 1            | 1 |
| 473602       | PL.10315    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 1.49         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 4.446                               | 0.000 | 11   | 2          | 1            | 1 |
| PL.3031      | PL.9074     | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.30                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.910                               | 0.079 | 0    | 0          | 0            | 0 |
| PL.10486     | PL.9071     | C   | 4ACSR              | 7.49Y     | 124.8        | 0.00            | 1.25                     | 2.96         | 2        | 22         | 4       | 98         | 0.00      | 0.0               | 3.624                               | 0.020 | 0    | 0          | 0            | 2 |
| PD.1559      | PL.10486    | C   | fuse6AMP           | 7.49Y     | 124.8        | 0.00            | 1.25                     | 2.96         | 51       | 22         | 4       | 98         | 0.00      | 0.0               | 3.624                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.10312     | PD.1559     | C   | 4ACSR              | 7.48Y     | 124.7        | 0.02            | 1.27                     | 2.96         | 2        | 22         | 4       | 98         | 0.00      | 0.0               | 3.758                               | 0.134 | 0    | 0          | 0            | 2 |
| PL.24098     | PL.10312    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.27                     | 1.08         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.865                               | 0.108 | 0    | 0          | 0            | 1 |
| 473516       | PL.24098    | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.27                     | 1.08         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.865                               | 0.000 | 8    | 1          | 1            | 1 |
| PL.9072      | PL.10312    | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27                     | 1.88         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 3.800                               | 0.043 | 0    | 0          | 0            | 1 |
| PL.9073      | PL.9072     | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27                     | 1.88         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 3.816                               | 0.015 | 0    | 0          | 0            | 1 |



Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| PL.3010      | PL.9073     | C   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.27                     | 1.88         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 3.854                               | 0.039 | 0    | 0          | 0            | 1   |
| PL.3011      | PL.3010     | C   | 4ACSR              | 7.48Y     | 124.7        | 0.01            | 1.29                     | 1.88         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 3.998                               | 0.144 | 0    | 0          | 0            | 1   |
| 473625       | PL.3011     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.29                     | 1.88         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 3.998                               | 0.000 | 14   | 2          | 1            | 1   |
| 473506       | PL.9072     | C   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.800                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.10397     | PL.10335    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.470                               | 0.010 | 0    | 0          | 0            | 0   |
| PD.1557      | PL.10397    | A   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.470                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.10398     | PD.1557     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.632                               | 0.162 | 0    | 0          | 0            | 0   |
| PL.24099     | PL.10398    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.723                               | 0.091 | 0    | 0          | 0            | 0   |
| 473517       | PL.24099    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.723                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.18328     | PL.9065     | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.74                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.299                               | 0.018 | 0    | 0          | 0            | 0   |
| PD.1560      | PL.18328    | A   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.74                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.299                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.18329     | PD.1560     | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.74                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.478                               | 0.179 | 0    | 0          | 0            | 0   |
| PL.9066      | PL.18329    | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.74                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.645                               | 0.167 | 0    | 0          | 0            | 0   |
| PL.24075     | PL.9066     | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.74                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.758                               | 0.113 | 0    | 0          | 0            | 0   |
| PL.3028      | PL.18329    | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.74                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.550                               | 0.071 | 0    | 0          | 0            | 0   |
| PL.30802     | PL.10332    | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.72                     | 11.51        | 6        | 84         | 21      | 97         | 0.00      | 0.0               | 3.141                               | 0.002 | 0    | 0          | 0            | 8   |
| PL.10483     | PL.30802    | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.72                     | 9.66         | 5        | 70         | 18      | 97         | 0.00      | 0.0               | 3.151                               | 0.010 | 0    | 0          | 0            | 7   |
| C PD.1558    | PL.10483    | A   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.72                     | 9.66         | 165      | 70         | 18      | 97         | 0.00      | 0.0               | 3.151                               | 0.000 | 0    | 0          | 0            | 7 C |
| PL.10484     | PD.1558     | A   | 4ACSR              | 7.52Y     | 125.3        | 0.03            | 0.75                     | 9.66         | 5        | 70         | 18      | 97         | 0.01      | 0.0               | 3.209                               | 0.059 | 0    | 0          | 0            | 7   |
| PL.9064      | PL.10484    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.02            | 0.76                     | 8.00         | 4        | 58         | 16      | 96         | 0.01      | 0.0               | 3.263                               | 0.054 | 0    | 0          | 0            | 6   |
| PL.24124     | PL.9064     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.38         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.315                               | 0.052 | 0    | 0          | 0            | 1   |
| 473509       | PL.24124    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.38         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.315                               | 0.000 | 3    | 0          | 1            | 1   |
| PL.6819      | PL.9064     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.01            | 0.77                     | 4.97         | 3        | 35         | 13      | 94         | 0.00      | 0.0               | 3.300                               | 0.037 | 0    | 0          | 0            | 2   |
| 473535       | PL.6819     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 3.13         | 0        | 21         | 10      | 90         | 0.00      | 0.0               | 3.300                               | 0.000 | 21   | 10         | 1            | 1   |
| PL.6820      | PL.6819     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.78                     | 1.88         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 3.340                               | 0.040 | 0    | 0          | 0            | 1   |
| 473536       | PL.6820     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.78                     | 1.88         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 3.340                               | 0.000 | 14   | 2          | 1            | 1   |
| 473533       | PL.6820     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.78                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.340                               | 0.000 | 0    | 0          | 0            | 0   |
| 473534       | PL.6820     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.78                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.340                               | 0.000 | 0    | 0          | 0            | 0   |
| 473511       | PL.9064     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 1.06         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.263                               | 0.000 | 8    | 1          | 1            | 1   |
| 473502       | PL.9064     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 0.20         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.263                               | 0.000 | 1    | 0          | 1            | 1   |
| 473514       | PL.9064     | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 1.43         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 3.263                               | 0.000 | 11   | 2          | 1            | 1   |
| PL.24123     | PL.10484    | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.75                     | 1.67         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 3.252                               | 0.043 | 0    | 0          | 0            | 1   |
| 473519       | PL.24123    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.75                     | 1.67         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 3.252                               | 0.000 | 12   | 2          | 1            | 1   |
| 473539       | PL.30802    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72                     | 1.86         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 3.141                               | 0.000 | 14   | 2          | 1            | 1   |
| PL.27857     | PL.9061     | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.92                     | 3.80         | 2        | 28         | 5       | 98         | 0.00      | 0.0               | 3.040                               | 0.000 | 0    | 0          | 0            | 3   |
| PL.27858     | PL.27857    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.01            | 0.93                     | 3.80         | 2        | 28         | 5       | 98         | 0.00      | 0.0               | 3.106                               | 0.066 | 0    | 0          | 0            | 3   |
| PL.6816      | PL.27858    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.94                     | 1.72         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 3.149                               | 0.043 | 0    | 0          | 0            | 1   |
| 473529       | PL.6816     | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.94                     | 1.72         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 3.149                               | 0.000 | 13   | 2          | 1            | 1   |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| 473512       | PL.27858    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 1.39         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 3.106                               | 0.000 | 10   | 2          | 1            | 1    |
| 473513       | PL.27858    | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.93                     | 0.69         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.106                               | 0.000 | 5    | 1          | 1            | 1    |
| 473507       | PL.9061     | C   | Consumer           | 7.50Y     | 125.1        | 0.00            | 0.92                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.039                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.10481     | PL.9062     | A   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.60                     | 13.91        | 7        | 103        | 17      | 99         | 0.00      | 0.0               | 2.971                               | 0.005 | 0    | 0          | 0            | 14   |
| C PD.2426    | PL.10481    | A   | fuse6AMP           | 7.52Y     | 125.4        | 0.00            | 0.60                     | 13.91        | 238      | 103        | 17      | 99         | 0.00      | 0.0               | 2.971                               | 0.000 | 0    | 0          | 0            | 14 C |
| PL.10482     | PD.2426     | A   | 4ACSR              | 7.52Y     | 125.4        | 0.01            | 0.61                     | 13.91        | 7        | 103        | 17      | 99         | 0.01      | 0.0               | 2.990                               | 0.020 | 0    | 0          | 0            | 14   |
| PL.25394     | PL.10482    | A   | 4ACSR              | 7.52Y     | 125.4        | 0.00            | 0.61                     | 13.91        | 7        | 103        | 17      | 99         | 0.00      | 0.0               | 2.990                               | 0.000 | 0    | 0          | 0            | 14   |
| 525515       | PL.25394    | A   | Consumer           | 7.52Y     | 125.4        | 0.00            | 0.61                     | 1.04         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.990                               | 0.000 | 8    | 1          | 1            | 1    |
| PL.25395     | PL.25394    | A   | 4ACSR              | 7.52Y     | 125.3        | 0.05            | 0.66                     | 12.87        | 7        | 96         | 16      | 99         | 0.04      | 0.0               | 3.080                               | 0.090 | 0    | 0          | 0            | 13   |
| PL.7219      | PL.25395    | A   | 4ACSR              | 7.52Y     | 125.3        | 0.02            | 0.68                     | 10.61        | 5        | 79         | 13      | 99         | 0.01      | 0.0               | 3.124                               | 0.044 | 0    | 0          | 0            | 10   |
| 526503       | PL.7219     | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.68                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.124                               | 0.000 | 2    | 0          | 1            | 1    |
| 526501       | PL.7219     | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.68                     | 0.50         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.124                               | 0.000 | 4    | 1          | 1            | 1    |
| PL.26771     | PL.7219     | A   | 4ACSR              | 7.52Y     | 125.3        | 0.02            | 0.70                     | 9.85         | 5        | 73         | 12      | 99         | 0.01      | 0.0               | 3.165                               | 0.041 | 0    | 0          | 0            | 8    |
| PL.26395     | PL.26771    | A   | 4ACSR              | 7.52Y     | 125.3        | 0.02            | 0.72                     | 2.46         | 1        | 18         | 3       | 99         | 0.00      | 0.0               | 3.333                               | 0.168 | 0    | 0          | 0            | 3    |
| PL.26770     | PL.26395    | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.70         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.386                               | 0.053 | 0    | 0          | 0            | 1    |
| PL.7216      | PL.26770    | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.427                               | 0.041 | 0    | 0          | 0            | 0    |
| 5295004      | PL.7216     | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.427                               | 0.000 | 0    | 0          | 0            | 0    |
| 529503       | PL.26770    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.70         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.386                               | 0.000 | 5    | 1          | 1            | 1    |
| 528505       | PL.26395    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72                     | 1.14         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.333                               | 0.000 | 8    | 1          | 1            | 1    |
| 528504       | PL.26395    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.62         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.333                               | 0.000 | 5    | 1          | 1            | 1    |
| PL.7217      | PL.26771    | A   | 4ACSR              | 7.52Y     | 125.3        | 0.01            | 0.71                     | 3.26         | 2        | 24         | 4       | 99         | 0.00      | 0.0               | 3.202                               | 0.037 | 0    | 0          | 0            | 3    |
| 527503       | PL.7217     | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.71                     | 1.41         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 3.202                               | 0.000 | 10   | 2          | 1            | 1    |
| 527502       | PL.7217     | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.71                     | 1.29         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 3.202                               | 0.000 | 10   | 2          | 1            | 1    |
| PL.7218      | PL.7217     | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.71                     | 0.56         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.241                               | 0.039 | 0    | 0          | 0            | 1    |
| 528501       | PL.7218     | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.71                     | 0.56         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.241                               | 0.000 | 4    | 1          | 1            | 1    |
| 5275004      | PL.26771    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.70                     | 3.36         | 0        | 25         | 4       | 99         | 0.00      | 0.0               | 3.165                               | 0.000 | 25   | 4          | 1            | 1    |
| 527501       | PL.26771    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.70                     | 0.77         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.165                               | 0.000 | 6    | 1          | 1            | 1    |
| 526505       | PL.25395    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.66                     | 1.14         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.080                               | 0.000 | 8    | 1          | 1            | 1    |
| 526502       | PL.25395    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.66                     | 0.62         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.080                               | 0.000 | 5    | 1          | 1            | 1    |
| 526504       | PL.25395    | A   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.66                     | 0.49         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.080                               | 0.000 | 4    | 1          | 1            | 1    |
| PL.18218     | PL.9062     | C   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.86                     | 3.53         | 2        | 26         | 4       | 99         | 0.00      | 0.0               | 2.975                               | 0.009 | 0    | 0          | 0            | 3    |
| PD.2422      | PL.18218    | C   | fuse6AMP           | 7.51Y     | 125.1        | 0.00            | 0.86                     | 3.53         | 60       | 26         | 4       | 99         | 0.00      | 0.0               | 2.975                               | 0.000 | 0    | 0          | 0            | 3    |
| PL.18219     | PD.2422     | C   | 4ACSR              | 7.51Y     | 125.1        | 0.01            | 0.87                     | 3.53         | 2        | 26         | 4       | 99         | 0.00      | 0.0               | 3.053                               | 0.078 | 0    | 0          | 0            | 3    |
| PL.7211      | PL.18219    | C   | 4ACSR              | 7.51Y     | 125.1        | 0.00            | 0.87                     | 3.53         | 2        | 26         | 4       | 99         | 0.00      | 0.0               | 3.053                               | 0.000 | 0    | 0          | 0            | 3    |
| 524504       | PL.7211     | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87                     | 2.27         | 0        | 17         | 3       | 98         | 0.00      | 0.0               | 3.053                               | 0.000 | 17   | 3          | 1            | 1    |
| 524503       | PL.7211     | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87                     | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.053                               | 0.000 | 2    | 0          | 1            | 1    |
| 524502       | PL.7211     | C   | Consumer           | 7.51Y     | 125.1        | 0.00            | 0.87                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.053                               | 0.000 | 7    | 1          | 1            | 1    |
| 525404       | PL.19628    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.828                               | 0.000 | 5    | 1          | 1            | 1    |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| 525402       | PL.19628    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.29         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 2.828                               | 0.000 | 2    | 1          | 1            | 1    |
| PL.27884     | PL.19628    | A   | 1/0ACSR            | 7.53Y     | 125.6        | 0.00            | 0.43                     | 63.07        | 19       | 472        | 59      | 99         | 0.10      | 0.0               | 2.834                               | 0.006 | 0    | 0          | 0            | 83   |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.01            | 0.53                     | 77.21        | 23       | 570        | 112     | 98         |           |                   |                                     |       | 0    | 0          | 0            | 87   |
|              |             | C   |                    | 7.52Y     | 125.3        | 0.01            | 0.73                     | 93.30        | 28       | 692        | 114     | 99         |           |                   |                                     |       | 0    | 0          | 0            | 117  |
| PL.27885     | PL.27884    | A   | 1/0ACSR            | 7.53Y     | 125.5        | 0.10            | 0.53                     | 63.07        | 19       | 471        | 59      | 99         | 2.24      | 0.1               | 2.973                               | 0.138 | 0    | 0          | 0            | 83   |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.21            | 0.74                     | 77.21        | 23       | 570        | 112     | 98         |           |                   |                                     |       | 0    | 0          | 0            | 87   |
|              |             | C   |                    | 7.50Y     | 125.1        | 0.22            | 0.95                     | 93.30        | 28       | 692        | 114     | 99         |           |                   |                                     |       | 0    | 0          | 0            | 117  |
| PL.25792     | PL.27885    | C   | 4ACSR              | 7.50Y     | 125.1        | 0.00            | 0.95                     | 5.98         | 3        | 44         | 7       | 99         | 0.00      | 0.0               | 2.984                               | 0.011 | 0    | 0          | 0            | 15   |
| C PD.2432    | PL.25792    | C   | fuse6AMP           | 7.50Y     | 125.1        | 0.00            | 0.95                     | 5.98         | 102      | 44         | 7       | 99         | 0.00      | 0.0               | 2.984                               | 0.000 | 0    | 0          | 0            | 15 C |
| PL.10476     | PD.2432     | C   | 4ACSR              | 7.50Y     | 125.0        | 0.02            | 0.97                     | 5.98         | 3        | 44         | 7       | 99         | 0.01      | 0.0               | 3.077                               | 0.093 | 0    | 0          | 0            | 15   |
| PL.3476      | PL.10476    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 0.98                     | 2.20         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 3.184                               | 0.107 | 0    | 0          | 0            | 4    |
| 523305       | PL.3476     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 1.02         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.184                               | 0.000 | 8    | 1          | 1            | 1    |
| 523304       | PL.3476     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.184                               | 0.000 | 0    | 0          | 1            | 1    |
| 523303       | PL.3476     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.57         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.184                               | 0.000 | 4    | 1          | 1            | 1    |
| 524308       | PL.3476     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.61         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.184                               | 0.000 | 4    | 1          | 1            | 1    |
| PL.3478      | PL.10476    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.97                     | 0.51         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.114                               | 0.037 | 0    | 0          | 0            | 2    |
| 522310       | PL.3478     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 0.34         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.114                               | 0.000 | 2    | 0          | 1            | 1    |
| 522306       | PL.3478     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.97                     | 0.18         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.114                               | 0.000 | 1    | 0          | 1            | 1    |
| PL.7213      | PL.10476    | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.98                     | 3.27         | 2        | 24         | 4       | 99         | 0.00      | 0.0               | 3.103                               | 0.026 | 0    | 0          | 0            | 9    |
| PL.7214      | PL.7213     | C   | 4ACSR              | 7.50Y     | 125.0        | 0.01            | 0.98                     | 3.27         | 2        | 24         | 4       | 99         | 0.00      | 0.0               | 3.155                               | 0.052 | 0    | 0          | 0            | 9    |
| 522302       | PL.7214     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.155                               | 0.000 | 0    | 0          | 0            | 0    |
| 521302       | PL.7214     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.01         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.155                               | 0.000 | 0    | 0          | 1            | 1    |
| 522201       | PL.7214     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.155                               | 0.000 | 1    | 0          | 1            | 1    |
| 522312       | PL.7214     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.155                               | 0.000 | 2    | 0          | 1            | 1    |
| 522304       | PL.7214     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.36         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.155                               | 0.000 | 3    | 0          | 1            | 1    |
| 522303       | PL.7214     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.155                               | 0.000 | 5    | 1          | 1            | 1    |
| 522202       | PL.7214     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.155                               | 0.000 | 4    | 1          | 1            | 1    |
| PL.3477      | PL.7214     | C   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.98                     | 1.44         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 3.166                               | 0.011 | 0    | 0          | 0            | 3    |
| 522309       | PL.3477     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.166                               | 0.000 | 0    | 0          | 0            | 0    |
| 522313       | PL.3477     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.166                               | 0.000 | 0    | 0          | 0            | 0    |
| 522307       | PL.3477     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.166                               | 0.000 | 2    | 0          | 1            | 1    |
| 522314       | PL.3477     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.18         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.166                               | 0.000 | 1    | 0          | 1            | 1    |
| 522301       | PL.3477     | C   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.98                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.166                               | 0.000 | 7    | 1          | 1            | 1    |
| PL.9069      | PL.27885    | A   | 1/0ACSR            | 7.52Y     | 125.4        | 0.11            | 0.64                     | 63.07        | 19       | 471        | 59      | 99         | 2.07      | 0.1               | 3.109                               | 0.136 | 0    | 0          | 0            | 83   |
|              |             | B   |                    | 7.50Y     | 125.1        | 0.20            | 0.94                     | 77.21        | 23       | 569        | 112     | 98         |           |                   |                                     |       | 0    | 0          | 0            | 87   |
|              |             | C   |                    | 7.49Y     | 124.9        | 0.20            | 1.14                     | 87.32        | 26       | 647        | 105     | 99         |           |                   |                                     |       | 0    | 0          | 0            | 102  |
| PL.9070      | PL.9069     | A   | 1/0ACSR            | 7.52Y     | 125.3        | 0.02            | 0.67                     | 63.07        | 19       | 471        | 58      | 99         | 0.44      | 0.0               | 3.138                               | 0.029 | 0    | 0          | 0            | 83   |
|              |             | B   |                    | 7.50Y     | 125.0        | 0.04            | 0.99                     | 77.21        | 23       | 569        | 111     | 98         |           |                   |                                     |       | 0    | 0          | 0            | 87   |
|              |             | C   |                    | 7.49Y     | 124.8        | 0.04            | 1.18                     | 86.73        | 26       | 641        | 104     | 99         |           |                   |                                     |       | 0    | 0          | 0            | 101  |
| PL.10477     | PL.9070     | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.67                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.145                               | 0.007 | 0    | 0          | 0            | 2    |
| PD.2431      | PL.10477    | A   | fuse6AMP           | 7.52Y     | 125.3        | 0.00            | 0.67                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.145                               | 0.000 | 0    | 0          | 0            | 2    |
| PL.10478     | PD.2431     | A   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.67                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.175                               | 0.031 | 0    | 0          | 0            | 2    |

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for elements 521407 through 9120.

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |              |  |  |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|----------------|-------------------|--------------|--|--|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | KW    | KVAR  |                   |                | Cons<br>On        | Cons<br>Thru |  |  |
| PL.9121      | PL.9120     | A   | 1/0ACSR            | 7.48Y     | 124.6        | 0.00            | 1.41                     | 58.23        | 18       | 432        | 50   | 99      | 0.02       | 0.0       | 4.147 | 0.001 | 0                 | 0              | 0                 | 73           |  |  |
|              |             | B   |                    | 7.41Y     | 123.5        | 0.00            | 2.49                     | 76.14        | 23       | 554        | 105  | 98      |            |           |       |       | 0                 | 0              | 0                 | 86           |  |  |
|              |             | C   |                    | 7.41Y     | 123.4        | 0.00            | 2.57                     | 80.74        | 24       | 591        | 89   | 99      |            |           |       |       | 0                 | 0              | 0                 | 94           |  |  |
| PL.25541     | PL.9121     | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.09            | 1.51                     | 58.23        | 18       | 432        | 50   | 99      | 1.69       | 0.1       | 4.271 | 0.124 | 0                 | 0              | 0                 | 73           |  |  |
|              |             | B   |                    | 7.40Y     | 123.3        | 0.18            | 2.67                     | 76.14        | 23       | 554        | 105  | 98      |            |           |       |       | 0                 | 0              | 0                 | 86           |  |  |
|              |             | C   |                    | 7.40Y     | 123.3        | 0.16            | 2.73                     | 80.74        | 24       | 591        | 89   | 99      |            |           |       |       | 0                 | 0              | 0                 | 94           |  |  |
| PL.25367     | PL.25541    | A   | 1/0ACSR            | 7.47Y     | 124.4        | 0.06            | 1.57                     | 58.23        | 18       | 432        | 50   | 99      | 1.16       | 0.1       | 4.357 | 0.086 | 0                 | 0              | 0                 | 71           |  |  |
|              |             | B   |                    | 7.39Y     | 123.2        | 0.13            | 2.80                     | 75.69        | 23       | 550        | 104  | 98      |            |           |       |       | 0                 | 0              | 0                 | 85           |  |  |
|              |             | C   |                    | 7.39Y     | 123.2        | 0.11            | 2.84                     | 80.74        | 24       | 591        | 88   | 99      |            |           |       |       | 0                 | 0              | 0                 | 94           |  |  |
| PL.9122      | PL.25367    | A   | 1/0ACSR            | 7.46Y     | 124.3        | 0.11            | 1.68                     | 58.23        | 18       | 432        | 49   | 99      | 1.82       | 0.1       | 4.495 | 0.138 | 0                 | 0              | 0                 | 71           |  |  |
|              |             | B   |                    | 7.38Y     | 123.0        | 0.20            | 3.00                     | 75.69        | 23       | 550        | 103  | 98      |            |           |       |       | 0                 | 0              | 0                 | 85           |  |  |
|              |             | C   |                    | 7.38Y     | 123.0        | 0.17            | 3.01                     | 77.70        | 24       | 568        | 84   | 99      |            |           |       |       | 0                 | 0              | 0                 | 92           |  |  |
| PL.6813      | PL.9122     | A   | 1/0ACSR            | 7.45Y     | 124.2        | 0.09            | 1.77                     | 58.23        | 18       | 432        | 49   | 99      | 1.51       | 0.1       | 4.611 | 0.116 | 0                 | 0              | 0                 | 71           |  |  |
|              |             | B   |                    | 7.37Y     | 122.8        | 0.17            | 3.16                     | 75.24        | 23       | 546        | 102  | 98      |            |           |       |       | 0                 | 0              | 0                 | 83           |  |  |
|              |             | C   |                    | 7.37Y     | 122.8        | 0.14            | 3.15                     | 77.70        | 24       | 567        | 83   | 99      |            |           |       |       | 0                 | 0              | 0                 | 92           |  |  |
| 471533       | PL.6813     | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.16                     | 0.03         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 4.611 | 0.000 | 0                 | 0              | 1                 | 1            |  |  |
| PL.19905     | PL.6813     | A   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.77                     | 11.29        | 6        | 83         | 14   | 99      | 0.00       | 0.0       | 4.611 | 0.000 | 0                 | 0              | 0                 | 14           |  |  |
| PL.35652     | PL.19905    | A   | 4ACSR              | 7.45Y     | 124.2        | 0.01            | 1.78                     | 11.29        | 6        | 83         | 14   | 99      | 0.01       | 0.0       | 4.628 | 0.017 | 0                 | 0              | 0                 | 14           |  |  |
| PD.5248-A    | PL.35652    | A   | Closed             | 7.45Y     | 124.2        | 0.00            | 1.78                     | 11.29        | 0        | 83         | 14   | 99      | 0.00       | 0.0       | 4.628 | 0.000 | 0                 | 0              | 0                 | 14           |  |  |
| PD.5248-B    | PD.5248-A   | A   | Closed             | 7.45Y     | 124.2        | 0.00            | 1.78                     | 11.29        | 0        | 83         | 14   | 99      | 0.00       | 0.0       | 4.628 | 0.000 | 0                 | 0              | 0                 | 14           |  |  |
| PL.35653     | PD.5248-B   | A   | 4ACSR              | 7.45Y     | 124.2        | 0.06            | 1.84                     | 11.29        | 6        | 83         | 14   | 99      | 0.04       | 0.0       | 4.757 | 0.129 | 0                 | 0              | 0                 | 14           |  |  |
| 471507       | PL.35653    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.84                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 4.757 | 0.000 | 0                 | 0              | 0                 | 0            |  |  |
| PL.9124      | PL.35653    | A   | 4ACSR              | 7.45Y     | 124.1        | 0.04            | 1.89                     | 11.29        | 6        | 83         | 14   | 99      | 0.03       | 0.0       | 4.845 | 0.089 | 0                 | 0              | 0                 | 14           |  |  |
| PL.10022     | PL.9124     | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.89                     | 1.88         | 1        | 14         | 2    | 99      | 0.00       | 0.0       | 4.858 | 0.013 | 0                 | 0              | 0                 | 2            |  |  |
| PD.6644      | PL.10022    | A   | fuse6AMP           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 1.88         | 32       | 14         | 2    | 99      | 0.00       | 0.0       | 4.858 | 0.000 | 0                 | 0              | 0                 | 2            |  |  |
| PL.10023     | PD.6644     | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.89                     | 1.88         | 1        | 14         | 2    | 99      | 0.00       | 0.0       | 4.887 | 0.029 | 0                 | 0              | 0                 | 2            |  |  |
| 471541       | PL.10023    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 1.83         | 0        | 13         | 2    | 99      | 0.00       | 0.0       | 4.887 | 0.000 | 13                | 2              | 1                 | 1            |  |  |
| 471540       | PL.10023    | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 0.05         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 4.887 | 0.000 | 0                 | 0              | 1                 | 1            |  |  |
| PL.38187     | PL.9124     | A   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.89                     | 9.41         | 5        | 69         | 11   | 99      | 0.00       | 0.0       | 4.854 | 0.009 | 0                 | 0              | 0                 | 12           |  |  |
| PD.3538      | PL.38187    | A   | 25H                | 7.45Y     | 124.1        | 0.00            | 1.89                     | 9.41         | 38       | 69         | 11   | 99      | 0.00       | 0.0       | 4.854 | 0.000 | 0                 | 0              | 0                 | 12           |  |  |
| PL.38188     | PD.3538     | A   | 4ACSR              | 7.44Y     | 124.1        | 0.05            | 1.94                     | 9.41         | 5        | 69         | 11   | 99      | 0.03       | 0.0       | 4.980 | 0.126 | 0                 | 0              | 0                 | 12           |  |  |
| PL.25368     | PL.38188    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.02            | 1.96                     | 6.03         | 3        | 44         | 7    | 99      | 0.01       | 0.0       | 5.043 | 0.063 | 0                 | 0              | 0                 | 8            |  |  |
| PL.38191     | PL.25368    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.05            | 2.00                     | 5.71         | 3        | 42         | 7    | 99      | 0.01       | 0.0       | 5.233 | 0.190 | 0                 | 0              | 0                 | 7            |  |  |
| PD.6646-A    | PL.38191    | A   | Closed             | 7.44Y     | 124.0        | 0.00            | 2.00                     | 5.71         | 0        | 42         | 7    | 99      | 0.00       | 0.0       | 5.233 | 0.000 | 0                 | 0              | 0                 | 7            |  |  |
| PD.6646-B    | PD.6646-A   | A   | Closed             | 7.44Y     | 124.0        | 0.00            | 2.00                     | 5.71         | 0        | 42         | 7    | 99      | 0.00       | 0.0       | 5.233 | 0.000 | 0                 | 0              | 0                 | 7            |  |  |
| PL.38192     | PD.6646-B   | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.01                     | 5.71         | 3        | 42         | 7    | 99      | 0.00       | 0.0       | 5.252 | 0.020 | 0                 | 0              | 0                 | 7            |  |  |
| 471416       | PL.38192    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.01                     | 0.54         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 5.252 | 0.000 | 4                 | 1              | 1                 | 1            |  |  |
| 471413       | PL.38192    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.01                     | 1.41         | 0        | 10         | 2    | 98      | 0.00       | 0.0       | 5.252 | 0.000 | 10                | 2              | 1                 | 1            |  |  |
| PL.25370     | PL.38192    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.02            | 2.03                     | 3.76         | 2        | 28         | 5    | 98      | 0.00       | 0.0       | 5.384 | 0.131 | 0                 | 0              | 0                 | 5            |  |  |
| PL.24094     | PL.25370    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 2.04                     | 1.51         | 1        | 11         | 2    | 98      | 0.00       | 0.0       | 5.463 | 0.080 | 0                 | 0              | 0                 | 1            |  |  |
| 471414       | PL.24094    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 2.04                     | 1.51         | 0        | 11         | 2    | 98      | 0.00       | 0.0       | 5.463 | 0.000 | 11                | 2              | 1                 | 1            |  |  |
| PL.25371     | PL.25370    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 2.04                     | 2.25         | 1        | 17         | 3    | 98      | 0.00       | 0.0       | 5.532 | 0.148 | 0                 | 0              | 0                 | 4            |  |  |
| PL.38195     | PL.25371    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.04                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 5.552 | 0.021 | 0                 | 0              | 0                 | 3            |  |  |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |       |       | mi<br>From<br>Src | Length<br>(mi) | Element |    | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|-------|-------|-------------------|----------------|---------|----|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | KW    | KVAR  |                   |                |         |    |            |              |
| PD.6648-A    | PL.38195    | A   | Closed             | 7.44Y     | 124.0        | 0.00            | 2.04                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 5.552 | 0.000 | 0                 | 0              | 0       | 3  |            |              |
| PD.6648-B    | PD.6648-A   | A   | Closed             | 7.44Y     | 124.0        | 0.00            | 2.04                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 5.552 | 0.000 | 0                 | 0              | 0       | 3  |            |              |
| PL.38196     | PD.6648-B   | A   | 4ACSR              | 7.44Y     | 123.9        | 0.01            | 2.05                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 6.032 | 0.480 | 0                 | 0              | 0       | 3  |            |              |
| 471402       | PL.38196    | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.032 | 0.000 | 0                 | 0              | 1       | 1  |            |              |
| 471401       | PL.38196    | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.05                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 6.032 | 0.000 | 2                 | 0              | 1       | 1  |            |              |
| PL.6808      | PL.38196    | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.219 | 0.187 | 0                 | 0              | 0       | 1  |            |              |
| PL.9126      | PL.6808     | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.399 | 0.180 | 0                 | 0              | 0       | 1  |            |              |
| 471301       | PL.9126     | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.399 | 0.000 | 0                 | 0              | 0       | 0  |            |              |
| PL.9127      | PL.9126     | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.466 | 0.066 | 0                 | 0              | 0       | 1  |            |              |
| PL.3019      | PL.9127     | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.570 | 0.105 | 0                 | 0              | 0       | 1  |            |              |
| PL.3021      | PL.3019     | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.573 | 0.003 | 0                 | 0              | 0       | 1  |            |              |
| PL.3020      | PL.3021     | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.693 | 0.120 | 0                 | 0              | 0       | 1  |            |              |
| 471409       | PL.3020     | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.693 | 0.000 | 0                 | 0              | 1       | 1  |            |              |
| PL.9128      | PL.9127     | A   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.545 | 0.079 | 0                 | 0              | 0       | 0  |            |              |
| PL.38193     | PL.25371    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 2.05                     | 1.97         | 1        | 14         | 2    | 99      | 0.00       | 0.0       | 5.538 | 0.006 | 0                 | 0              | 0       | 1  |            |              |
| PD.6647      | PL.38193    | A   | fuse6AMP           | 7.44Y     | 124.0        | 0.00            | 2.05                     | 1.97         | 34       | 14         | 2    | 99      | 0.00       | 0.0       | 5.538 | 0.000 | 0                 | 0              | 0       | 1  |            |              |
| PL.38194     | PD.6647     | A   | 4ACSR              | 7.44Y     | 123.9        | 0.01            | 2.05                     | 1.97         | 1        | 14         | 2    | 99      | 0.00       | 0.0       | 5.598 | 0.060 | 0                 | 0              | 0       | 1  |            |              |
| 471412       | PL.38194    | A   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.05                     | 1.97         | 0        | 14         | 2    | 99      | 0.00       | 0.0       | 5.598 | 0.000 | 14                | 2              | 1       | 1  |            |              |
| PL.3023      | PL.25368    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.96                     | 0.32         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 5.109 | 0.066 | 0                 | 0              | 0       | 1  |            |              |
| 471407       | PL.3023     | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.96                     | 0.32         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 5.109 | 0.000 | 2                 | 0              | 1       | 1  |            |              |
| PL.38189     | PL.38188    | A   | 4ACSR              | 7.44Y     | 124.1        | 0.00            | 1.94                     | 1.56         | 1        | 11         | 2    | 98      | 0.00       | 0.0       | 4.988 | 0.008 | 0                 | 0              | 0       | 2  |            |              |
| PD.6645      | PL.38189    | A   | fuse6AMP           | 7.44Y     | 124.1        | 0.00            | 1.94                     | 1.56         | 27       | 11         | 2    | 98      | 0.00       | 0.0       | 4.988 | 0.000 | 0                 | 0              | 0       | 2  |            |              |
| PL.38190     | PD.6645     | A   | 4ACSR              | 7.44Y     | 124.1        | 0.01            | 1.95                     | 1.56         | 1        | 11         | 2    | 98      | 0.00       | 0.0       | 5.083 | 0.094 | 0                 | 0              | 0       | 2  |            |              |
| PL.3027      | PL.38190    | A   | 4ACSR              | 7.44Y     | 124.1        | 0.00            | 1.95                     | 0.23         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 5.130 | 0.047 | 0                 | 0              | 0       | 1  |            |              |
| 471501       | PL.3027     | A   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.95                     | 0.23         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 5.130 | 0.000 | 2                 | 0              | 1       | 1  |            |              |
| 471527       | PL.38190    | A   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.95                     | 1.33         | 0        | 10         | 2    | 98      | 0.00       | 0.0       | 5.083 | 0.000 | 10                | 2              | 1       | 1  |            |              |
| PL.3026      | PL.38190    | A   | 4ACSR              | 7.44Y     | 124.1        | 0.00            | 1.95                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 5.212 | 0.129 | 0                 | 0              | 0       | 0  |            |              |
| 471517       | PL.3026     | A   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.95                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 5.212 | 0.000 | 0                 | 0              | 0       | 0  |            |              |
| PL.3024      | PL.38188    | A   | 4ACSR              | 7.44Y     | 124.0        | 0.01            | 1.95                     | 1.82         | 1        | 13         | 2    | 99      | 0.00       | 0.0       | 5.155 | 0.175 | 0                 | 0              | 0       | 2  |            |              |
| 471411       | PL.3024     | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.95                     | 0.77         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 5.155 | 0.000 | 6                 | 1              | 1       | 1  |            |              |
| PL.24095     | PL.3024     | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.96                     | 1.05         | 1        | 8          | 1    | 99      | 0.00       | 0.0       | 5.204 | 0.049 | 0                 | 0              | 0       | 1  |            |              |
| 471415       | PL.24095    | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.96                     | 1.05         | 0        | 8          | 1    | 99      | 0.00       | 0.0       | 5.204 | 0.000 | 8                 | 1              | 1       | 1  |            |              |
| PL.9123      | PL.6813     | A   | 1/0ACSR            | 7.45Y     | 124.2        | 0.00            | 1.77                     | 46.96        | 14       | 348        | 35   | 99      | 0.03       | 0.0       | 4.613 | 0.002 | 0                 | 0              | 0       | 57 |            |              |
|              |             | B   |                    | 7.37Y     | 122.8        | 0.00            | 3.17                     | 75.21        | 23       | 545        | 101  | 98      |            |           |       |       | 0                 | 0              | 0       | 82 |            |              |
|              |             | C   |                    | 7.37Y     | 122.8        | 0.00            | 3.15                     | 77.70        | 24       | 567        | 83   | 99      |            |           |       |       | 0                 | 0              | 0       | 92 |            |              |
| PL.38185     | PL.9123     | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.17                     | 0.84         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 4.620 | 0.006 | 0                 | 0              | 0       | 1  |            |              |
| PD.6643      | PL.38185    | B   | fuse6AMP           | 7.37Y     | 122.8        | 0.00            | 3.17                     | 0.84         | 14       | 6          | 1    | 99      | 0.00       | 0.0       | 4.620 | 0.000 | 0                 | 0              | 0       | 1  |            |              |
| PL.38186     | PD.6643     | B   | 4ACSR              | 7.37Y     | 122.8        | 0.00            | 3.17                     | 0.84         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 4.651 | 0.031 | 0                 | 0              | 0       | 1  |            |              |
| 471534       | PL.38186    | B   | Consumer           | 7.37Y     | 122.8        | 0.00            | 3.17                     | 0.84         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 4.651 | 0.000 | 6                 | 1              | 1       | 1  |            |              |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            |           |                |       | mi<br>From<br>Src | -----Element----- |   | Cons<br>On | Cons<br>Thru |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-----------|----------------|-------|-------------------|-------------------|---|------------|--------------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss | %<br>Loss | Length<br>(mi) | KW    |                   | KVAR              |   |            |              |
| PL.9808      | PL.9123     | A   | 1/0ACSR            | 7.45Y     | 124.2        | 0.06            | 1.83                     | 46.96        | 14       | 348        | 35   | 99      | 1.26       | 0.1       | 4.718          | 0.105 | 0                 | 0                 | 0 | 57         |              |
|              |             | B   |                    | 7.36Y     | 122.7        | 0.16            | 3.33                     | 74.37        | 23       | 539        | 100  | 98      |            |           |                |       | 0                 | 0                 | 0 | 81         |              |
|              |             | C   |                    | 7.36Y     | 122.7        | 0.12            | 3.28                     | 77.70        | 24       | 567        | 83   | 99      |            |           |                |       | 0                 | 0                 | 0 | 92         |              |
| PL.9809      | PL.9808     | A   | 1/0ACSR            | 7.45Y     | 124.1        | 0.06            | 1.89                     | 46.29        | 14       | 343        | 34   | 100     | 1.41       | 0.1       | 4.835          | 0.117 | 0                 | 0                 | 0 | 54         |              |
|              |             | B   |                    | 7.35Y     | 122.5        | 0.18            | 3.51                     | 74.37        | 23       | 538        | 100  | 98      |            |           |                |       | 0                 | 0                 | 0 | 81         |              |
|              |             | C   |                    | 7.36Y     | 122.6        | 0.14            | 3.41                     | 77.70        | 24       | 566        | 82   | 99      |            |           |                |       | 0                 | 0                 | 0 | 92         |              |
| 471512       | PL.9809     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 0.91         | 0        | 7          | 1    | 99      | 0.00       | 0.0       | 4.835          | 0.000 | 7                 | 1                 | 1 | 1          |              |
| 471532       | PL.9809     | A   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.89                     | 0.06         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 4.835          | 0.000 | 0                 | 0                 | 1 | 1          |              |
| 471511       | PL.9809     | B   | Consumer           | 7.35Y     | 122.5        | 0.00            | 3.51                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 4.835          | 0.000 | 0                 | 0                 | 0 | 0          |              |
| PL.10042     | PL.9809     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.04            | 3.54                     | 48.13        | 25       | 334        | 116  | 94      | 0.09       | 0.0       | 4.851          | 0.016 | 0                 | 0                 | 0 | 45         |              |
| PD.425-A     | PL.10042    | B   | Closed             | 7.35Y     | 122.5        | 0.00            | 3.54                     | 48.13        | 0        | 334        | 116  | 94      | 0.00       | 0.0       | 4.851          | 0.000 | 0                 | 0                 | 0 | 45         |              |
| PD.425-B     | PD.425-A    | B   | Closed             | 7.35Y     | 122.5        | 0.00            | 3.54                     | 48.13        | 0        | 334        | 116  | 94      | 0.00       | 0.0       | 4.851          | 0.000 | 0                 | 0                 | 0 | 45         |              |
| PL.27916     | PD.425-B    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.67            | 4.21                     | 48.13        | 25       | 334        | 116  | 94      | 1.69       | 0.5       | 5.156          | 0.305 | 0                 | 0                 | 0 | 45         |              |
| C PD.3539    | PL.27916    | B   | 50L                | 7.31Y     | 121.8        | 0.00            | 4.21                     | 48.13        | 96       | 332        | 115  | 94      | 0.00       | 0.0       | 5.156          | 0.000 | 0                 | 0                 | 0 | 45 C       |              |
| PL.20430     | PD.3539     | B   | 4ACSR              | 7.31Y     | 121.8        | 0.03            | 4.24                     | 48.13        | 25       | 332        | 115  | 94      | 0.07       | 0.0       | 5.169          | 0.012 | 0                 | 0                 | 0 | 45         |              |
| PL.24079     | PL.20430    | B   | 4ACSR              | 7.31Y     | 121.8        | 0.00            | 4.24                     | 0.78         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 5.224          | 0.056 | 0                 | 0                 | 0 | 1          |              |
| 471513       | PL.24079    | B   | Consumer           | 7.31Y     | 121.8        | 0.00            | 4.24                     | 0.78         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 5.224          | 0.000 | 6                 | 1                 | 1 | 1          |              |
| PL.8674      | PL.20430    | B   | 4ACSR              | 7.28Y     | 121.4        | 0.38            | 4.62                     | 47.36        | 24       | 327        | 114  | 94      | 0.95       | 0.3       | 5.345          | 0.176 | 0                 | 0                 | 0 | 44         |              |
| PL.38181     | PL.8674     | B   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.62                     | 0.11         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 5.349          | 0.004 | 0                 | 0                 | 0 | 1          |              |
| PD.6641      | PL.38181    | B   | fuse6AMP           | 7.28Y     | 121.4        | 0.00            | 4.62                     | 0.11         | 2        | 1          | 0    | 100     | 0.00       | 0.0       | 5.349          | 0.000 | 0                 | 0                 | 0 | 1          |              |
| PL.38182     | PD.6641     | B   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.62                     | 0.11         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 5.413          | 0.064 | 0                 | 0                 | 0 | 1          |              |
| 471538       | PL.38182    | B   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.62                     | 0.11         | 0        | 1          | 0    | 100     | 0.00       | 0.0       | 5.413          | 0.000 | 1                 | 0                 | 1 | 1          |              |
| PL.8673      | PL.8674     | B   | 4ACSR              | 7.26Y     | 121.1        | 0.30            | 4.92                     | 47.25        | 24       | 325        | 113  | 94      | 0.75       | 0.2       | 5.486          | 0.141 | 0                 | 0                 | 0 | 43         |              |
| PL.169       | PL.8673     | B   | 4ACSR              | 7.26Y     | 121.0        | 0.10            | 5.02                     | 40.49        | 21       | 275        | 104  | 94      | 0.22       | 0.1       | 5.543          | 0.056 | 0                 | 0                 | 0 | 31         |              |
| PL.40590     | PL.169      | B   | 4ACSR              | 7.25Y     | 120.8        | 0.17            | 5.19                     | 40.49        | 21       | 275        | 104  | 94      | 0.35       | 0.1       | 5.632          | 0.089 | 0                 | 0                 | 0 | 31         |              |
| PL.40591     | PL.40590    | B   | 4ACSR              | 7.25Y     | 120.8        | 0.03            | 5.22                     | 34.69        | 18       | 236        | 86   | 94      | 0.05       | 0.0       | 5.648          | 0.016 | 0                 | 0                 | 0 | 30         |              |
| C PD.1527    | PL.40591    | B   | fuse6AMP           | 7.25Y     | 120.8        | 0.00            | 5.22                     | 34.69        | 593      | 236        | 86   | 94      | 0.00       | 0.0       | 5.648          | 0.000 | 0                 | 0                 | 0 | 30 C       |              |
| PL.15016     | PD.1527     | B   | 4ACSR              | 7.20Y     | 120.0        | 0.73            | 5.95                     | 34.69        | 18       | 236        | 86   | 94      | 1.33       | 0.6       | 6.113          | 0.464 | 0                 | 0                 | 0 | 30         |              |
| PL.2919      | PL.15016    | B   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.96                     | 0.84         | 0        | 6          | 1    | 99      | 0.00       | 0.0       | 6.230          | 0.117 | 0                 | 0                 | 0 | 3          |              |
| PL.2920      | PL.2919     | B   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.96                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.310          | 0.080 | 0                 | 0                 | 0 | 1          |              |
| PL.2921      | PL.2920     | B   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.96                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.423          | 0.113 | 0                 | 0                 | 0 | 0          |              |
| PL.2917      | PL.2920     | B   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.96                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.425          | 0.115 | 0                 | 0                 | 0 | 1          |              |
| PL.2918      | PL.2917     | B   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 5.96                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.502          | 0.077 | 0                 | 0                 | 0 | 1          |              |
| 471611       | PL.2918     | B   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.96                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.502          | 0.000 | 0                 | 0                 | 1 | 1          |              |
| 471603       | PL.2919     | B   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.96                     | 0.33         | 0        | 2          | 0    | 100     | 0.00       | 0.0       | 6.230          | 0.000 | 2                 | 0                 | 1 | 1          |              |
| 471604       | PL.2919     | B   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.96                     | 0.51         | 0        | 4          | 1    | 97      | 0.00       | 0.0       | 6.230          | 0.000 | 4                 | 1                 | 1 | 1          |              |
| 471608       | PL.15016    | B   | Consumer           | 7.20Y     | 120.0        | 0.00            | 5.95                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0       | 6.113          | 0.000 | 0                 | 0                 | 1 | 1          |              |
| PL.10024     | PL.15016    | B   | 4ACSR              | 7.16Y     | 119.4        | 0.65            | 6.60                     | 33.86        | 17       | 229        | 84   | 94      | 1.15       | 0.5       | 6.534          | 0.421 | 0                 | 0                 | 0 | 26         |              |
| C PD.1526    | PL.10024    | B   | fuse6AMP           | 7.16Y     | 119.4        | 0.00            | 6.60                     | 33.86        | 578      | 228        | 83   | 94      | 0.00       | 0.0       | 6.534          | 0.000 | 0                 | 0                 | 0 | 26 C       |              |
| PL.40754     | PD.1526     | B   | 4ACSR              | 7.16Y     | 119.3        | 0.09            | 6.69                     | 33.86        | 17       | 228        | 83   | 94      | 0.16       | 0.1       | 6.591          | 0.057 | 0                 | 0                 | 0 | 26         |              |

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes a sub-header for 'Units Displayed In Volts' and '-Base Voltage:120.0-'.



Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| 419709       | PL.6581     | B   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.32                     | 1.14         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 7.492                               | 0.000 | 8    | 1          | 1            | 1   |
| 419714       | PL.6581     | B   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.32                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.492                               | 0.000 | 0    | 0          | 1            | 1   |
| 419702       | PL.6581     | B   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.32                     | 1.49         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 7.492                               | 0.000 | 10   | 2          | 1            | 1   |
| 419719       | PL.6581     | B   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.32                     | 1.47         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 7.492                               | 0.000 | 10   | 2          | 1            | 1   |
| PL.6582      | PL.6581     | B   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.32                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.515                               | 0.023 | 0    | 0          | 0            | 0   |
| PL.8664      | PL.10340    | B   | 4ACSR              | 7.12Y     | 118.6        | 0.05            | 7.35                     | 10.55        | 5        | 74         | 15      | 98         | 0.03      | 0.0               | 7.536                               | 0.104 | 0    | 0          | 0            | 10  |
| 419717       | PL.8664     | B   | Consumer           | 7.12Y     | 118.6        | 0.00            | 7.35                     | 1.69         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 7.536                               | 0.000 | 12   | 2          | 1            | 1   |
| PL.41212     | PL.8664     | B   | 4ACSR              | 7.12Y     | 118.6        | 0.01            | 7.36                     | 8.52         | 4        | 59         | 12      | 98         | 0.00      | 0.0               | 7.557                               | 0.022 | 0    | 0          | 0            | 8   |
| C PD.7621    | PL.41212    | B   | fuse6AMP           | 7.12Y     | 118.6        | 0.00            | 7.36                     | 8.52         | 146      | 59         | 12      | 98         | 0.00      | 0.0               | 7.557                               | 0.000 | 0    | 0          | 0            | 8 C |
| PL.41213     | PD.7621     | B   | 4ACSR              | 7.12Y     | 118.6        | 0.01            | 7.37                     | 8.52         | 4        | 59         | 12      | 98         | 0.00      | 0.0               | 7.586                               | 0.028 | 0    | 0          | 0            | 8   |
| PL.19575     | PL.41213    | B   | 4ACSR              | 7.12Y     | 118.6        | 0.00            | 7.37                     | 8.52         | 4        | 59         | 12      | 98         | 0.00      | 0.0               | 7.586                               | 0.000 | 0    | 0          | 0            | 8   |
| PL.2198      | PL.19575    | B   | 4ACSR              | 7.12Y     | 118.6        | 0.00            | 7.38                     | 2.34         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 7.620                               | 0.034 | 0    | 0          | 0            | 2   |
| 419722       | PL.2198     | B   | Consumer           | 7.12Y     | 118.6        | 0.00            | 7.38                     | 1.11         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 7.620                               | 0.000 | 8    | 1          | 1            | 1   |
| 419721       | PL.2198     | B   | Consumer           | 7.12Y     | 118.6        | 0.00            | 7.38                     | 1.23         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 7.620                               | 0.000 | 9    | 1          | 1            | 1   |
| PL.8669      | PL.19575    | B   | 4ACSR              | 7.12Y     | 118.6        | 0.02            | 7.40                     | 6.18         | 3        | 43         | 10      | 97         | 0.01      | 0.0               | 7.675                               | 0.090 | 0    | 0          | 0            | 6   |
| PL.8670      | PL.8669     | B   | 4ACSR              | 7.12Y     | 118.6        | 0.02            | 7.41                     | 5.28         | 3        | 37         | 9       | 97         | 0.00      | 0.0               | 7.744                               | 0.068 | 0    | 0          | 0            | 5   |
| 419718       | PL.8670     | B   | Consumer           | 7.12Y     | 118.6        | 0.00            | 7.41                     | 1.61         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 7.744                               | 0.000 | 11   | 2          | 1            | 1   |
| PL.6584      | PL.8670     | B   | 4ACSR              | 7.11Y     | 118.6        | 0.01            | 7.42                     | 3.67         | 2        | 25         | 7       | 96         | 0.00      | 0.0               | 7.802                               | 0.058 | 0    | 0          | 0            | 4   |
| PL.2189      | PL.6584     | B   | 4ACSR              | 7.11Y     | 118.6        | 0.02            | 7.44                     | 2.02         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 7.987                               | 0.185 | 0    | 0          | 0            | 2   |
| PL.25073     | PL.2189     | B   | 4ACSR              | 7.11Y     | 118.5        | 0.01            | 7.45                     | 2.02         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 8.147                               | 0.160 | 0    | 0          | 0            | 2   |
| PL.25074     | PL.25073    | B   | 4ACSR              | 7.11Y     | 118.5        | 0.01            | 7.46                     | 1.09         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 8.327                               | 0.179 | 0    | 0          | 0            | 1   |
| 419712       | PL.25074    | B   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.46                     | 1.09         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 8.327                               | 0.000 | 8    | 1          | 1            | 1   |
| PL.2191      | PL.25073    | B   | 4ACSR              | 7.11Y     | 118.5        | 0.00            | 7.46                     | 0.92         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 8.234                               | 0.087 | 0    | 0          | 0            | 1   |
| 419716       | PL.2191     | B   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.46                     | 0.92         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 8.234                               | 0.000 | 6    | 1          | 1            | 1   |
| 419708       | PL.6584     | B   | Consumer           | 7.11Y     | 118.6        | 0.00            | 7.42                     | 0.48         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 7.802                               | 0.000 | 3    | 1          | 1            | 1   |
| 419720       | PL.6584     | B   | Consumer           | 7.11Y     | 118.6        | 0.00            | 7.42                     | 1.20         | 0        | 8          | 4       | 89         | 0.00      | 0.0               | 7.802                               | 0.000 | 8    | 4          | 1            | 1   |
| PL.2199      | PL.8669     | B   | 4ACSR              | 7.12Y     | 118.6        | 0.00            | 7.40                     | 0.91         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.761                               | 0.086 | 0    | 0          | 0            | 1   |
| 419724       | PL.2199     | B   | Consumer           | 7.12Y     | 118.6        | 0.00            | 7.40                     | 0.91         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 7.761                               | 0.000 | 6    | 1          | 1            | 1   |
| PL.8665      | PL.8664     | B   | 4ACSR              | 7.12Y     | 118.6        | 0.00            | 7.36                     | 0.35         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 7.611                               | 0.076 | 0    | 0          | 0            | 1   |
| 419705       | PL.8665     | B   | Consumer           | 7.12Y     | 118.6        | 0.00            | 7.36                     | 0.35         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 7.611                               | 0.000 | 2    | 0          | 1            | 1   |
| PL.6583      | PL.8665     | B   | 4ACSR              | 7.12Y     | 118.6        | 0.00            | 7.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.704                               | 0.092 | 0    | 0          | 0            | 0   |
| PL.45475     | PL.6583     | B   | 4ACSR              | 7.12Y     | 118.6        | 0.00            | 7.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.719                               | 0.016 | 0    | 0          | 0            | 0   |
| PD.8652-A    | PL.45475    | B   | Open               | 7.12Y     | 118.6        | 0.00            | 7.36                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.719                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.2930      | PL.8666     | B   | 4ACSR              | 7.13Y     | 118.8        | 0.00            | 7.21                     | 1.16         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 7.362                               | 0.086 | 0    | 0          | 0            | 1   |
| 470712       | PL.2930     | B   | Consumer           | 7.13Y     | 118.8        | 0.00            | 7.21                     | 1.16         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 7.362                               | 0.000 | 8    | 1          | 1            | 1   |
| PL.10028     | PL.10026    | B   | 4ACSR              | 7.14Y     | 118.9        | 0.00            | 7.07                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.080                               | 0.004 | 0    | 0          | 0            | 0   |
| PD.1525      | PL.10028    | B   | fuse6AMP           | 7.14Y     | 118.9        | 0.00            | 7.07                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.080                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.10029     | PD.1525     | B   | 4ACSR              | 7.14Y     | 118.9        | 0.00            | 7.07                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 7.091                               | 0.011 | 0    | 0          | 0            | 0   |

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 471615, PL.170, PL.24078, etc.

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for elements like PD.424-A, PL.10033, PL.9810, etc.

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf         | Type/<br>Conductor | Pri<br>kV               | Base<br>Volt            | Element<br>Drop      | Units Displayed In Volts |                         |               |                   |                 |                     |             | mi<br>From<br>Src | Length<br>(mi) | -----Element----- |             | Cons<br>On  | Cons<br>Thru   |
|--------------|-------------|-------------|--------------------|-------------------------|-------------------------|----------------------|--------------------------|-------------------------|---------------|-------------------|-----------------|---------------------|-------------|-------------------|----------------|-------------------|-------------|-------------|----------------|
|              |             |             |                    |                         |                         |                      | Accum<br>Drop            | Thru<br>Amps            | %<br>Cap      | Thru<br>KW        | %<br>PF         | kW<br>Loss          | %<br>Loss   |                   |                | KW                | KVAR        |             |                |
| 419525       | PL.19885    | A<br>C      | Consumer           | 7.42Y<br>7.26Y          | 123.7<br>121.0          | 0.00<br>0.00         | 2.29<br>4.97             | 5.92<br>6.05            | 0<br>0        | 37<br>37          | 23<br>23        | 85<br>85            | 0.00<br>0.0 | 5.926             | 0.000          | 37<br>37          | 23<br>23    | 1<br>1      | 1<br>1         |
| PL.19886     | PL.19885    | A<br>C      | 4ACSR              | 7.42Y<br>7.26Y          | 123.7<br>121.0          | 0.00<br>0.00         | 2.29<br>4.97             | 0.77<br>2.94            | 0<br>2        | 5<br>21           | 2<br>5          | 93<br>97            | 0.00<br>0.0 | 5.955             | 0.029          | 0<br>0            | 0<br>0      | 0<br>0      | 1<br>2         |
| PL.2240      | PL.19886    | A<br>C      | 4ACSR              | 7.42Y<br>7.26Y          | 123.7<br>121.0          | 0.00<br>0.00         | 2.29<br>4.98             | 0.77<br>2.94            | 0<br>2        | 5<br>21           | 2<br>5          | 93<br>97            | 0.00<br>0.0 | 5.990             | 0.035          | 0<br>0            | 0<br>0      | 0<br>0      | 1<br>2         |
| PL.2253      | PL.2240     | A<br>C      | 4ACSR              | 7.42Y<br>7.26Y          | 123.7<br>121.0          | 0.00<br>0.00         | 2.29<br>4.98             | 0.77<br>0.78            | 0<br>0        | 5<br>5            | 2<br>2          | 93<br>90            | 0.00<br>0.0 | 6.031             | 0.041          | 0<br>0            | 0<br>0      | 0<br>0      | 1<br>1         |
| 419534       | PL.2253     | A<br>C      | Consumer           | 7.42Y<br>7.26Y          | 123.7<br>121.0          | 0.00<br>0.00         | 2.29<br>4.98             | 0.77<br>0.78            | 0<br>0        | 5<br>5            | 2<br>2          | 93<br>90            | 0.00<br>0.0 | 6.031             | 0.000          | 5<br>5            | 2<br>2      | 1<br>1      | 1<br>1         |
| 419520       | PL.2240     | C           | Consumer           | 7.26Y                   | 121.0                   | 0.00                 | 4.98                     | 2.18                    | 0             | 16                | 3               | 98                  | 0.00        | 5.990             | 0.000          | 16                | 3           | 1           | 1              |
| PL.20182     | PL.9115     | A<br>B<br>C | 1/0ACSR            | 7.42Y<br>7.33Y<br>7.26Y | 123.7<br>122.1<br>121.0 | 0.02<br>0.02<br>0.06 | 2.26<br>3.86<br>4.97     | 35.16<br>27.28<br>54.64 | 11<br>8<br>17 | 261<br>199<br>396 | -8<br>-17<br>27 | -100<br>-100<br>100 | 0.28<br>0.0 | 5.857             | 0.063          | 0<br>0<br>0       | 0<br>0<br>0 | 0<br>0<br>0 | 45<br>35<br>76 |
| PL.20183     | PL.20182    | A<br>B<br>C | 1/0ACSR            | 7.42Y<br>7.33Y<br>7.26Y | 123.7<br>122.1<br>121.0 | 0.00<br>0.00<br>0.01 | 2.26<br>3.86<br>4.98     | 35.65<br>27.59<br>55.55 | 11<br>8<br>17 | 261<br>199<br>396 | 45<br>35<br>77  | 99<br>99<br>98      | 0.04<br>0.0 | 5.865             | 0.008          | 0<br>0<br>0       | 0<br>0<br>0 | 0<br>0<br>0 | 45<br>35<br>76 |
| PL.9129      | PL.20183    | A<br>B<br>C | 1/0ACSR            | 7.42Y<br>7.33Y<br>7.25Y | 123.7<br>122.1<br>120.9 | 0.04<br>0.04<br>0.14 | 2.30<br>3.90<br>5.12     | 35.65<br>22.12<br>55.55 | 11<br>7<br>17 | 261<br>160<br>396 | 45<br>28<br>77  | 99<br>98<br>98      | 0.53<br>0.1 | 5.986             | 0.121          | 0<br>0<br>0       | 0<br>0<br>0 | 0<br>0<br>0 | 45<br>32<br>76 |
| PL.9838      | PL.9129     | C           | 4ACSR              | 7.25Y                   | 120.9                   | 0.00                 | 5.12                     | 2.17                    | 1             | 16                | 3               | 98                  | 0.00        | 5.994             | 0.008          | 0                 | 0           | 0           | 2              |
| PD.566       | PL.9838     | C           | fuse6AMP           | 7.25Y                   | 120.9                   | 0.00                 | 5.12                     | 2.17                    | 37            | 16                | 3               | 98                  | 0.00        | 5.994             | 0.000          | 0                 | 0           | 0           | 2              |
| PL.9839      | PD.566      | C           | 4ACSR              | 7.25Y                   | 120.9                   | 0.00                 | 5.13                     | 2.17                    | 1             | 16                | 3               | 98                  | 0.00        | 6.022             | 0.028          | 0                 | 0           | 0           | 2              |
| PL.9130      | PL.9839     | C           | 4ACSR              | 7.25Y                   | 120.9                   | 0.00                 | 5.13                     | 0.74                    | 0             | 5                 | 1               | 98                  | 0.00        | 6.167             | 0.145          | 0                 | 0           | 0           | 1              |
| 419509       | PL.9130     | C           | Consumer           | 7.25Y                   | 120.9                   | 0.00                 | 5.13                     | 0.74                    | 0             | 5                 | 1               | 98                  | 0.00        | 6.167             | 0.000          | 5                 | 1           | 1           | 1              |
| PL.6078      | PL.9130     | C           | 4ACSR              | 7.25Y                   | 120.9                   | 0.00                 | 5.13                     | 0.00                    | 0             | 0                 | 0               | 100                 | 0.00        | 6.202             | 0.035          | 0                 | 0           | 0           | 0              |
| PL.2241      | PL.6078     | C           | 4ACSR              | 7.25Y                   | 120.9                   | 0.00                 | 5.13                     | 0.00                    | 0             | 0                 | 0               | 100                 | 0.00        | 6.267             | 0.066          | 0                 | 0           | 0           | 0              |
| PL.2243      | PL.2241     | C           | 4ACSR              | 7.25Y                   | 120.9                   | 0.00                 | 5.13                     | 0.00                    | 0             | 0                 | 0               | 100                 | 0.00        | 6.335             | 0.068          | 0                 | 0           | 0           | 0              |
| PL.2242      | PL.2243     | C           | 4ACSR              | 7.25Y                   | 120.9                   | 0.00                 | 5.13                     | 0.00                    | 0             | 0                 | 0               | 100                 | 0.00        | 6.430             | 0.095          | 0                 | 0           | 0           | 0              |
| 419519       | PL.9839     | C           | Consumer           | 7.25Y                   | 120.9                   | 0.00                 | 5.13                     | 1.43                    | 0             | 10                | 2               | 98                  | 0.00        | 6.022             | 0.000          | 10                | 2           | 1           | 1              |
| PL.6079      | PL.9129     | A           | 4ACSR              | 7.42Y                   | 123.7                   | 0.01                 | 2.31                     | 1.04                    | 1             | 8                 | 1               | 99                  | 0.00        | 6.105             | 0.119          | 0                 | 0           | 0           | 2              |
| PL.6080      | PL.6079     | A           | 4ACSR              | 7.42Y                   | 123.7                   | 0.00                 | 2.31                     | 0.00                    | 0             | 0                 | 0               | 100                 | 0.00        | 6.106             | 0.001          | 0                 | 0           | 0           | 0              |
| 419532       | PL.6079     | A           | Consumer           | 7.42Y                   | 123.7                   | 0.00                 | 2.31                     | 0.11                    | 0             | 1                 | 0               | 100                 | 0.00        | 6.105             | 0.000          | 1                 | 0           | 1           | 1              |
| 419516       | PL.6079     | A           | Consumer           | 7.42Y                   | 123.7                   | 0.00                 | 2.31                     | 0.93                    | 0             | 7                 | 1               | 99                  | 0.00        | 6.105             | 0.000          | 7                 | 1           | 1           | 1              |
| PL.9836      | PL.9129     | A           | 4ACSR              | 7.42Y                   | 123.7                   | 0.01                 | 2.31                     | 6.27                    | 3             | 46                | 8               | 99                  | 0.00        | 6.006             | 0.020          | 0                 | 0           | 0           | 7              |
| C PD.567     | PL.9836     | A           | fuse6AMP           | 7.42Y                   | 123.7                   | 0.00                 | 2.31                     | 6.27                    | 107           | 46                | 8               | 99                  | 0.00        | 6.006             | 0.000          | 0                 | 0           | 0           | 7 C            |
| PL.9837      | PD.567      | A           | 4ACSR              | 7.42Y                   | 123.7                   | 0.01                 | 2.32                     | 6.27                    | 3             | 46                | 8               | 99                  | 0.00        | 6.053             | 0.047          | 0                 | 0           | 0           | 7              |
| PL.24689     | PL.9837     | A           | 4ACSR              | 7.42Y                   | 123.7                   | 0.01                 | 2.33                     | 5.18                    | 3             | 38                | 6               | 99                  | 0.00        | 6.091             | 0.038          | 0                 | 0           | 0           | 6              |
| 419531       | PL.24689    | A           | Consumer           | 7.42Y                   | 123.7                   | 0.00                 | 2.33                     | 1.07                    | 0             | 8                 | 1               | 99                  | 0.00        | 6.091             | 0.000          | 8                 | 1           | 1           | 1              |
| PL.2252      | PL.24689    | A           | 4ACSR              | 7.42Y                   | 123.6                   | 0.04                 | 2.37                     | 4.11                    | 2             | 30                | 5               | 99                  | 0.01        | 6.308             | 0.217          | 0                 | 0           | 0           | 5              |
| PL.2254      | PL.2252     | A           | 4ACSR              | 7.42Y                   | 123.6                   | 0.03                 | 2.40                     | 4.07                    | 2             | 30                | 5               | 99                  | 0.01        | 6.462             | 0.154          | 0                 | 0           | 0           | 4              |
| PL.2255      | PL.2254     | A           | 4ACSR              | 7.42Y                   | 123.6                   | 0.01                 | 2.40                     | 2.18                    | 1             | 16                | 3               | 98                  | 0.00        | 6.533             | 0.071          | 0                 | 0           | 0           | 3              |
| PL.2258      | PL.2255     | A           | 4ACSR              | 7.42Y                   | 123.6                   | 0.01                 | 2.41                     | 1.61                    | 1             | 12                | 2               | 99                  | 0.00        | 6.605             | 0.072          | 0                 | 0           | 0           | 2              |
| PL.9131      | PL.2258     | A           | 4ACSR              | 7.42Y                   | 123.6                   | 0.00                 | 2.41                     | 1.61                    | 1             | 12                | 2               | 99                  | 0.00        | 6.619             | 0.014          | 0                 | 0           | 0           | 2              |

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.9132, 419401, 419541, etc.

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PD.3108      | PL.10014    | A   | 35E                | 7.41Y     | 123.5        | 0.00            | 2.47   | 14.57        | 42       | 107        | 18   | 99      | 0.00       | 0.0               | 6.871                               | 0.000 | 0    | 0          | 0            | 13        |
| PL.10015     | PD.3108     | A   | 4ACSR              | 7.41Y     | 123.5        | 0.05            | 2.52   | 14.57        | 8        | 107        | 18   | 99      | 0.04       | 0.0               | 6.949                               | 0.078 | 0    | 0          | 0            | 13        |
| 418515       | PL.10015    | A   | Consumer           | 7.41Y     | 123.5        | 0.00            | 2.52   | 3.68         | 0        | 27         | 4    | 99      | 0.00       | 0.0               | 6.949                               | 0.000 | 27   | 4          | 1            | 1         |
| PL.9136      | PL.10015    | A   | 4ACSR              | 7.41Y     | 123.4        | 0.04            | 2.56   | 10.89        | 6        | 80         | 13   | 99      | 0.02       | 0.0               | 7.037                               | 0.088 | 0    | 0          | 0            | 12        |
| PL.2250      | PL.9136     | A   | 4ACSR              | 7.41Y     | 123.4        | 0.00            | 2.56   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.165                               | 0.128 | 0    | 0          | 0            | 0         |
| PL.19585     | PL.9136     | A   | 4ACSR              | 7.40Y     | 123.4        | 0.02            | 2.59   | 10.89        | 6        | 80         | 13   | 99      | 0.01       | 0.0               | 7.087                               | 0.050 | 0    | 0          | 0            | 12        |
| 418518       | PL.19585    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.59   | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.087                               | 0.000 | 0    | 0          | 1            | 1         |
| 418520       | PL.19585    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.59   | 1.11         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 7.087                               | 0.000 | 8    | 1          | 1            | 1         |
| PL.19586     | PL.19585    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.01            | 2.60   | 9.78         | 5        | 71         | 12   | 99      | 0.01       | 0.0               | 7.117                               | 0.030 | 0    | 0          | 0            | 10        |
| PL.19421     | PL.19586    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.04            | 2.64   | 7.02         | 4        | 51         | 9    | 98      | 0.02       | 0.0               | 7.249                               | 0.132 | 0    | 0          | 0            | 8         |
| PL.9137      | PL.19421    | A   | 4ACSR              | 7.40Y     | 123.3        | 0.09            | 2.73   | 7.02         | 4        | 51         | 9    | 98      | 0.04       | 0.1               | 7.549                               | 0.299 | 0    | 0          | 0            | 7         |
| PL.2247      | PL.9137     | A   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.73   | 0.14         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 7.744                               | 0.195 | 0    | 0          | 0            | 2         |
| PL.2248      | PL.2247     | A   | 4ACSR              | 7.40Y     | 123.3        | 0.00            | 2.73   | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.854                               | 0.110 | 0    | 0          | 0            | 1         |
| 418528       | PL.2248     | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.73   | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.854                               | 0.000 | 0    | 0          | 1            | 1         |
| 418401       | PL.2247     | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.73   | 0.11         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 7.744                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.9138      | PL.9137     | A   | 4ACSR              | 7.40Y     | 123.3        | 0.01            | 2.74   | 6.88         | 4        | 50         | 8    | 99      | 0.00       | 0.0               | 7.583                               | 0.034 | 0    | 0          | 0            | 5         |
| PL.9139      | PL.9138     | A   | 4ACSR              | 7.39Y     | 123.2        | 0.05            | 2.79   | 6.00         | 3        | 44         | 7    | 99      | 0.02       | 0.0               | 7.783                               | 0.200 | 0    | 0          | 0            | 3         |
| PL.2244      | PL.9139     | A   | 4ACSR              | 7.39Y     | 123.2        | 0.02            | 2.81   | 4.39         | 2        | 32         | 5    | 99      | 0.00       | 0.0               | 7.885                               | 0.102 | 0    | 0          | 0            | 2         |
| 419523       | PL.2244     | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.81   | 3.58         | 0        | 26         | 4    | 99      | 0.00       | 0.0               | 7.885                               | 0.000 | 26   | 4          | 1            | 1         |
| 419517       | PL.2244     | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.81   | 0.81         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 7.885                               | 0.000 | 6    | 1          | 1            | 1         |
| 418526       | PL.9139     | A   | Consumer           | 7.39Y     | 123.2        | 0.00            | 2.79   | 1.60         | 0        | 12         | 2    | 99      | 0.00       | 0.0               | 7.783                               | 0.000 | 12   | 2          | 1            | 1         |
| 418525       | PL.9138     | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.74   | 0.86         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 7.583                               | 0.000 | 6    | 1          | 1            | 1         |
| 418524       | PL.9138     | A   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.74   | 0.02         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.583                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.2249      | PL.19421    | A   | 4ACSR              | 7.40Y     | 123.4        | 0.00            | 2.64   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.396                               | 0.147 | 0    | 0          | 0            | 1         |
| 418501       | PL.2249     | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.64   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.396                               | 0.000 | 0    | 0          | 1            | 1         |
| 418503       | PL.19586    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.60   | 2.76         | 0        | 20         | 3    | 99      | 0.00       | 0.0               | 7.117                               | 0.000 | 20   | 3          | 1            | 1         |
| 418512       | PL.19586    | A   | Consumer           | 7.40Y     | 123.4        | 0.00            | 2.60   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.117                               | 0.000 | 0    | 0          | 1            | 1         |
| PL.17973     | PL.9142     | A   | 1/0ACSR            | 7.42Y     | 123.6        | -0.01           | 2.40   | 8.80         | 3        | 64         | 11   | 99      | 0.14       | 0.0               | 6.812                               | 0.049 | 0    | 0          | 0            | 17        |
|              |             | B   |                    | 7.30Y     | 121.7        | 0.03            | 4.27   | 21.38        | 6        | 154        | 27   | 98      |            |                   |                                     |       | 0    | 0          | 0            | 31        |
|              |             | C   |                    | 7.20Y     | 120.0        | 0.05            | 6.00   | 49.54        | 15       | 350        | 68   | 98      |            |                   |                                     |       | 0    | 0          | 0            | 68        |
| PL.17975     | PL.17973    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.41   | 3.63         | 2        | 27         | 4    | 99      | 0.00       | 0.0               | 6.880                               | 0.069 | 0    | 0          | 0            | 2         |
| PL.18002     | PL.17975    | A   | 4ACSR              | 7.41Y     | 123.6        | 0.01            | 2.42   | 2.45         | 1        | 18         | 3    | 99      | 0.00       | 0.0               | 7.000                               | 0.119 | 0    | 0          | 0            | 1         |
| 418531       | PL.18002    | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.42   | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 7.000                               | 0.000 | 0    | 0          | 0            | 0         |
| 418504       | PL.18002    | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.42   | 2.45         | 0        | 18         | 3    | 99      | 0.00       | 0.0               | 7.000                               | 0.000 | 18   | 3          | 1            | 1         |
| PL.20011     | PL.17975    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.41   | 1.18         | 1        | 9          | 1    | 99      | 0.00       | 0.0               | 6.892                               | 0.012 | 0    | 0          | 0            | 1         |
| PD.563       | PL.20011    | A   | fuse6AMP           | 7.42Y     | 123.6        | 0.00            | 2.41   | 1.18         | 20       | 9          | 1    | 99      | 0.00       | 0.0               | 6.892                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.20012     | PD.563      | A   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.41   | 1.18         | 1        | 9          | 1    | 99      | 0.00       | 0.0               | 6.998                               | 0.105 | 0    | 0          | 0            | 1         |
| PL.2251      | PL.20012    | A   | 4ACSR              | 7.41Y     | 123.6        | 0.00            | 2.42   | 1.18         | 1        | 9          | 1    | 99      | 0.00       | 0.0               | 7.072                               | 0.074 | 0    | 0          | 0            | 1         |
| 418517       | PL.2251     | A   | Consumer           | 7.41Y     | 123.6        | 0.00            | 2.42   | 1.18         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 7.072                               | 0.000 | 9    | 1          | 1            | 1         |

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.17974, PL.10010, etc.

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like PL.9897, 417506, etc.



Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |    |
| PL.45517     | PD.8662     | C   | 4ACSR              | 7.13Y     | 118.9        | 0.00            | 7.09                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 8.113                               | 0.040 | 0    | 0          | 0            | 2  |
| PL.24686     | PL.45517    | C   | 4ACSR              | 7.13Y     | 118.9        | 0.00            | 7.09                     | 0.64         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 8.115                               | 0.001 | 0    | 0          | 0            | 1  |
| PL.24687     | PL.24686    | C   | 4ACSR              | 7.13Y     | 118.9        | 0.00            | 7.09                     | 0.64         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 8.158                               | 0.044 | 0    | 0          | 0            | 1  |
| PL.2237      | PL.24687    | C   | 4ACSR              | 7.13Y     | 118.9        | 0.00            | 7.09                     | 0.64         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 8.187                               | 0.029 | 0    | 0          | 0            | 1  |
| 417510       | PL.2237     | C   | Consumer           | 7.13Y     | 118.9        | 0.00            | 7.09                     | 0.64         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 8.187                               | 0.000 | 5    | 1          | 1            | 1  |
| 417525       | PL.45517    | C   | Consumer           | 7.13Y     | 118.9        | 0.00            | 7.09                     | 0.16         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 8.113                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.9150      | PL.9149     | A   | 1/0ACSR            | 7.44Y     | 124.0        | -0.03           | 2.01                     | 0.35         | 0        | 3          | 0       | 100        | 0.20      | 0.0               | 8.159                               | 0.095 | 0    | 0          | 0            | 3  |
|              |             | B   |                    | 7.26Y     | 120.9        | 0.06            | 5.08                     | 19.78        | 6        | 142        | 24      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 27 |
|              |             | C   |                    | 7.13Y     | 118.8        | 0.07            | 7.15                     | 41.70        | 13       | 292        | 55      | 98         |           |                   |                                     |       | 0    | 0          | 0            | 59 |
| PL.9882      | PL.9150     | C   | 4ACSR              | 7.13Y     | 118.8        | 0.00            | 7.15                     | 1.05         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 8.165                               | 0.006 | 0    | 0          | 0            | 1  |
| PD.557       | PL.9882     | C   | fuse6AMP           | 7.13Y     | 118.8        | 0.00            | 7.15                     | 1.05         | 18       | 7          | 1       | 99         | 0.00      | 0.0               | 8.165                               | 0.000 | 0    | 0          | 0            | 1  |
| PL.9883      | PD.557      | C   | 4ACSR              | 7.13Y     | 118.8        | 0.01            | 7.16                     | 1.05         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 8.281                               | 0.117 | 0    | 0          | 0            | 1  |
| 417527       | PL.9883     | C   | Consumer           | 7.13Y     | 118.8        | 0.00            | 7.16                     | 1.05         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 8.281                               | 0.000 | 7    | 1          | 1            | 1  |
| PL.9151      | PL.9150     | A   | 1/0ACSR            | 7.44Y     | 124.0        | -0.00           | 2.01                     | 0.35         | 0        | 3          | 0       | 100        | 0.03      | 0.0               | 8.175                               | 0.016 | 0    | 0          | 0            | 3  |
|              |             | B   |                    | 7.25Y     | 120.9        | 0.01            | 5.09                     | 19.78        | 6        | 142        | 24      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 27 |
|              |             | C   |                    | 7.13Y     | 118.8        | 0.01            | 7.16                     | 40.65        | 12       | 285        | 53      | 98         |           |                   |                                     |       | 0    | 0          | 0            | 58 |
| 417509       | PL.9151     | C   | Consumer           | 7.13Y     | 118.8        | 0.00            | 7.16                     | 0.14         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 8.175                               | 0.000 | 1    | 0          | 1            | 1  |
| 417522       | PL.9151     | C   | Consumer           | 7.13Y     | 118.8        | 0.00            | 7.16                     | 0.78         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 8.175                               | 0.000 | 5    | 1          | 1            | 1  |
| PL.24864     | PL.9151     | A   | 1/0ACSR            | 7.44Y     | 124.0        | -0.00           | 2.00                     | 0.35         | 0        | 3          | 0       | 100        | 0.03      | 0.0               | 8.208                               | 0.033 | 0    | 0          | 0            | 3  |
|              |             | B   |                    | 7.25Y     | 120.9        | 0.02            | 5.11                     | 19.78        | 6        | 142        | 24      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 27 |
|              |             | C   |                    | 7.13Y     | 118.8        | 0.01            | 7.17                     | 20.02        | 6        | 141        | 24      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 20 |
| PL.9886      | PL.24864    | A   | 1/0ACSR            | 7.44Y     | 124.0        | -0.01           | 1.99                     | 0.35         | 0        | 3          | 0       | 100        | 0.09      | 0.0               | 8.323                               | 0.115 | 0    | 0          | 0            | 3  |
|              |             | B   |                    | 7.25Y     | 120.8        | 0.06            | 5.16                     | 19.78        | 6        | 141        | 24      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 27 |
|              |             | C   |                    | 7.13Y     | 118.8        | 0.03            | 7.20                     | 20.02        | 6        | 141        | 24      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 20 |
| PL.9889      | PL.9886     | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.329                               | 0.005 | 0    | 0          | 0            | 2  |
| PD.558       | PL.9889     | A   | fuse6AMP           | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.33         | 6        | 2          | 0       | 100        | 0.00      | 0.0               | 8.329                               | 0.000 | 0    | 0          | 0            | 2  |
| PL.9888      | PD.558      | A   | 4ACSR              | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.426                               | 0.097 | 0    | 0          | 0            | 2  |
| 417521       | PL.9888     | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.426                               | 0.000 | 0    | 0          | 1            | 1  |
| 417503       | PL.9888     | A   | Consumer           | 7.44Y     | 124.0        | 0.00            | 1.99                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 8.426                               | 0.000 | 2    | 0          | 1            | 1  |
| PL.9887      | PL.9886     | A   | 1/0ACSR            | 7.44Y     | 124.0        | -0.02           | 1.97                     | 0.02         | 0        | 0          | 0       | 100        | 0.17      | 0.1               | 8.551                               | 0.227 | 0    | 0          | 0            | 1  |
|              |             | B   |                    | 7.24Y     | 120.7        | 0.12            | 5.28                     | 19.78        | 6        | 141        | 24      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 27 |
|              |             | C   |                    | 7.12Y     | 118.7        | 0.06            | 7.26                     | 20.02        | 6        | 141        | 24      | 99         |           |                   |                                     |       | 0    | 0          | 0            | 20 |
| PL.2234      | PL.9887     | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.26                     | 1.82         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 8.587                               | 0.036 | 0    | 0          | 0            | 3  |
| PL.9890      | PL.2234     | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.26                     | 1.82         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 8.591                               | 0.004 | 0    | 0          | 0            | 3  |
| PD.559       | PL.9890     | C   | fuse6AMP           | 7.12Y     | 118.7        | 0.00            | 7.26                     | 1.82         | 31       | 13         | 2       | 99         | 0.00      | 0.0               | 8.591                               | 0.000 | 0    | 0          | 0            | 3  |
| PL.9891      | PD.559      | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.26                     | 1.82         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 8.631                               | 0.040 | 0    | 0          | 0            | 3  |
| PL.2235      | PL.9891     | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.26                     | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 8.709                               | 0.078 | 0    | 0          | 0            | 1  |
| 417519       | PL.2235     | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.26                     | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 8.709                               | 0.000 | 1    | 0          | 1            | 1  |
| PL.23279     | PL.9891     | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.27                     | 1.71         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 8.684                               | 0.052 | 0    | 0          | 0            | 2  |
| PL.23280     | PL.23279    | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.27                     | 0.49         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 8.763                               | 0.079 | 0    | 0          | 0            | 1  |
| 417501       | PL.23280    | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.27                     | 0.49         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 8.763                               | 0.000 | 3    | 1          | 1            | 1  |
| 417514       | PL.23280    | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.763                               | 0.000 | 0    | 0          | 0            | 0  |
| 417502       | PL.23279    | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.27                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 8.684                               | 0.000 | 0    | 0          | 0            | 0  |

Unbalanced Voltage Drop Report
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\
Title:
Case:

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, Thru Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for various elements like 417532, PL.25391, PL.25389, etc.

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| 416591       | PL.19884    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.60                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.246             | 0.000          | 0          | 0            | 0  | 0    |
| 416592       | PL.19884    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.60                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.246             | 0.000          | 0          | 0            | 0  | 0    |
| PL.21849     | PL.19884    | B   | 4ACSR              | 7.22Y     | 120.4        | 0.01            | 5.61                     | 7.43         | 4        | 53         | 9    | 99      | 0.00       | 0.0               | 9.283             | 0.037          | 0          | 0            | 0  | 14   |
| PL.23278     | PL.21849    | B   | 4ACSR              | 7.22Y     | 120.4        | 0.01            | 5.62                     | 6.70         | 3        | 48         | 8    | 99      | 0.00       | 0.0               | 9.316             | 0.032          | 0          | 0            | 0  | 12   |
| 416562       | PL.23278    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.62                     | 1.01         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 9.316             | 0.000          | 7          | 1            | 1  | 1    |
| 416556       | PL.23278    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.62                     | 0.39         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 9.316             | 0.000          | 3          | 0            | 1  | 1    |
| PL.21492     | PL.23278    | B   | 4ACSR              | 7.22Y     | 120.4        | 0.01            | 5.62                     | 5.30         | 3        | 38         | 6    | 99      | 0.00       | 0.0               | 9.345             | 0.029          | 0          | 0            | 0  | 10   |
| PL.19100     | PL.21492    | B   | 4ACSR              | 7.22Y     | 120.4        | 0.00            | 5.62                     | 4.25         | 2        | 30         | 5    | 99      | 0.00       | 0.0               | 9.345             | 0.001          | 0          | 0            | 0  | 7    |
| PL.19901     | PL.19100    | B   | 4ACSR              | 7.22Y     | 120.4        | 0.01            | 5.63                     | 4.25         | 2        | 30         | 5    | 99      | 0.00       | 0.0               | 9.381             | 0.036          | 0          | 0            | 0  | 7    |
| PL.19902     | PL.19901    | B   | 4ACSR              | 7.22Y     | 120.4        | 0.00            | 5.63                     | 4.25         | 2        | 30         | 5    | 99      | 0.00       | 0.0               | 9.397             | 0.015          | 0          | 0            | 0  | 7    |
| 416552       | PL.19902    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.63                     | 0.51         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 9.397             | 0.000          | 4          | 1            | 1  | 1    |
| 416585       | PL.19902    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.63                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.397             | 0.000          | 0          | 0            | 0  | 0    |
| 416587       | PL.19902    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.63                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.397             | 0.000          | 0          | 0            | 0  | 0    |
| 4165109      | PL.19902    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.63                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.397             | 0.000          | 0          | 0            | 0  | 0    |
| 4165108      | PL.19902    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.63                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.397             | 0.000          | 0          | 0            | 0  | 0    |
| 416586       | PL.19902    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.63                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.397             | 0.000          | 0          | 0            | 0  | 0    |
| 4165107      | PL.19902    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.63                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.397             | 0.000          | 0          | 0            | 0  | 0    |
| 416546       | PL.19902    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.63                     | 0.69         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 9.397             | 0.000          | 5          | 1            | 1  | 1    |
| PL.6074      | PL.19902    | B   | 4ACSR              | 7.22Y     | 120.4        | 0.01            | 5.64                     | 3.05         | 2        | 22         | 4    | 98      | 0.00       | 0.0               | 9.450             | 0.053          | 0          | 0            | 0  | 5    |
| 416550       | PL.6074     | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.64                     | 0.84         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 9.450             | 0.000          | 6          | 1            | 1  | 1    |
| 416542       | PL.6074     | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.64                     | 0.60         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 9.450             | 0.000          | 4          | 1            | 1  | 1    |
| PL.6075      | PL.6074     | B   | 4ACSR              | 7.22Y     | 120.4        | 0.00            | 5.64                     | 1.62         | 1        | 12         | 2    | 99      | 0.00       | 0.0               | 9.477             | 0.027          | 0          | 0            | 0  | 3    |
| PL.6073      | PL.6075     | B   | 4ACSR              | 7.22Y     | 120.4        | 0.00            | 5.64                     | 1.31         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 9.502             | 0.026          | 0          | 0            | 0  | 2    |
| 4165110      | PL.6073     | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.64                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.502             | 0.000          | 0          | 0            | 0  | 0    |
| 416568       | PL.6073     | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.64                     | 0.90         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 9.502             | 0.000          | 6          | 1            | 1  | 1    |
| 4165111      | PL.6073     | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.64                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.502             | 0.000          | 0          | 0            | 0  | 0    |
| 416561       | PL.6073     | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.64                     | 0.41         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 9.502             | 0.000          | 3          | 0            | 1  | 1    |
| 416558       | PL.6075     | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.64                     | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 9.477             | 0.000          | 2          | 0            | 1  | 1    |
| 416565       | PL.21492    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.62                     | 0.37         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 9.345             | 0.000          | 3          | 0            | 1  | 1    |
| 416569       | PL.21492    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.62                     | 0.48         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 9.345             | 0.000          | 3          | 1            | 1  | 1    |
| 416557       | PL.21492    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.62                     | 0.20         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 9.345             | 0.000          | 1          | 0            | 1  | 1    |
| 416545       | PL.21849    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.61                     | 0.32         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 9.283             | 0.000          | 2          | 0            | 1  | 1    |
| 416554       | PL.21849    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.61                     | 0.42         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 9.283             | 0.000          | 3          | 0            | 1  | 1    |
| 416548       | PL.19883    | B   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.59                     | 1.00         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 9.219             | 0.000          | 7          | 1            | 1  | 1    |
| PL.10492     | PL.5186     | C   | 4ACSR              | 7.12Y     | 118.6        | 0.00            | 7.39                     | 18.19        | 9        | 128        | 21   | 99      | 0.00       | 0.0               | 9.163             | 0.003          | 0          | 0            | 0  | 17   |
| PD.3107      | PL.10492    | C   | 25L                | 7.12Y     | 118.6        | 0.00            | 7.39                     | 18.19        | 73       | 128        | 21   | 99      | 0.00       | 0.0               | 9.163             | 0.000          | 0          | 0            | 0  | 17   |
| PL.10493     | PD.3107     | C   | 4ACSR              | 7.11Y     | 118.5        | 0.06            | 7.45                     | 18.19        | 9        | 128        | 21   | 99      | 0.06       | 0.0               | 9.236             | 0.073          | 0          | 0            | 0  | 17   |
| PL.25793     | PL.10493    | C   | 4ACSR              | 7.11Y     | 118.5        | 0.03            | 7.48                     | 16.72        | 9        | 117        | 20   | 99      | 0.03       | 0.0               | 9.280             | 0.044          | 0          | 0            | 0  | 16   |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |    |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |    |
| 416534       | PL.25793    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.48                     | 1.52         | 0        | 11         | 2         | 98         | 0.00      | 0.0               | 9.280             | 0.000 | 11         | 2            | 1    | 1  |
| 4165122      | PL.25793    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.48                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.280             | 0.000 | 0          | 0            | 0    | 0  |
| 4165123      | PL.25793    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.48                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.280             | 0.000 | 0          | 0            | 0    | 0  |
| 416544       | PL.25793    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.48                     | 1.57         | 0        | 11         | 2         | 98         | 0.00      | 0.0               | 9.280             | 0.000 | 11         | 2            | 1    | 1  |
| PL.25794     | PL.25793    | C   | 4ACSR              | 7.11Y     | 118.5        | 0.02            | 7.50                     | 13.63        | 7        | 96         | 16        | 99         | 0.01      | 0.0               | 9.312             | 0.032 | 0          | 0            | 0    | 14 |
| PL.25795     | PL.25794    | C   | 4ACSR              | 7.11Y     | 118.5        | 0.02            | 7.52                     | 11.43        | 6        | 80         | 13        | 99         | 0.01      | 0.0               | 9.350             | 0.038 | 0          | 0            | 0    | 11 |
| 416536       | PL.25795    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.52                     | 1.54         | 0        | 11         | 2         | 98         | 0.00      | 0.0               | 9.350             | 0.000 | 11         | 2            | 1    | 1  |
| 416532       | PL.25795    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.52                     | 0.88         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 9.350             | 0.000 | 6          | 1            | 1    | 1  |
| PL.25796     | PL.25795    | C   | 4ACSR              | 7.11Y     | 118.5        | 0.02            | 7.54                     | 9.00         | 5        | 63         | 10        | 99         | 0.01      | 0.0               | 9.396             | 0.045 | 0          | 0            | 0    | 9  |
| PL.25797     | PL.25796    | C   | 4ACSR              | 7.11Y     | 118.5        | 0.01            | 7.55                     | 7.18         | 4        | 50         | 8         | 99         | 0.00      | 0.0               | 9.425             | 0.029 | 0          | 0            | 0    | 7  |
| 416529       | PL.25797    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.55                     | 1.32         | 0        | 9          | 2         | 98         | 0.00      | 0.0               | 9.425             | 0.000 | 9          | 2            | 1    | 1  |
| PL.25798     | PL.25797    | C   | 4ACSR              | 7.11Y     | 118.5        | 0.00            | 7.55                     | 5.86         | 3        | 41         | 7         | 99         | 0.00      | 0.0               | 9.439             | 0.014 | 0          | 0            | 0    | 6  |
| PL.25799     | PL.25798    | C   | 4ACSR              | 7.11Y     | 118.4        | 0.01            | 7.56                     | 3.92         | 2        | 28         | 5         | 98         | 0.00      | 0.0               | 9.478             | 0.039 | 0          | 0            | 0    | 4  |
| PL.6076      | PL.25799    | C   | 4ACSR              | 7.11Y     | 118.4        | 0.00            | 7.56                     | 3.13         | 2        | 22         | 4         | 98         | 0.00      | 0.0               | 9.489             | 0.011 | 0          | 0            | 0    | 3  |
| 416566       | PL.6076     | C   | Consumer           | 7.11Y     | 118.4        | 0.00            | 7.56                     | 0.48         | 0        | 3          | 1         | 95         | 0.00      | 0.0               | 9.489             | 0.000 | 3          | 1            | 1    | 1  |
| 416521       | PL.6076     | C   | Consumer           | 7.11Y     | 118.4        | 0.00            | 7.56                     | 1.26         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 9.489             | 0.000 | 9          | 1            | 1    | 1  |
| 416538       | PL.6076     | C   | Consumer           | 7.11Y     | 118.4        | 0.00            | 7.56                     | 1.39         | 0        | 10         | 2         | 98         | 0.00      | 0.0               | 9.489             | 0.000 | 10         | 2            | 1    | 1  |
| 416537       | PL.25799    | C   | Consumer           | 7.11Y     | 118.4        | 0.00            | 7.56                     | 0.80         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 9.478             | 0.000 | 6          | 1            | 1    | 1  |
| 416567       | PL.25798    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.55                     | 0.67         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 9.439             | 0.000 | 5          | 1            | 1    | 1  |
| 416540       | PL.25798    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.55                     | 1.26         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 9.439             | 0.000 | 9          | 1            | 1    | 1  |
| 416522       | PL.25796    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.54                     | 1.32         | 0        | 9          | 2         | 98         | 0.00      | 0.0               | 9.396             | 0.000 | 9          | 2            | 1    | 1  |
| 416524       | PL.25796    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.54                     | 0.50         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 9.396             | 0.000 | 4          | 1            | 1    | 1  |
| 416526       | PL.25794    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.50                     | 0.06         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.312             | 0.000 | 0          | 0            | 1    | 1  |
| 416519       | PL.25794    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.50                     | 0.71         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 9.312             | 0.000 | 5          | 1            | 1    | 1  |
| 416520       | PL.25794    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.50                     | 1.44         | 0        | 10         | 2         | 98         | 0.00      | 0.0               | 9.312             | 0.000 | 10         | 2            | 1    | 1  |
| 416539       | PL.10493    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.45                     | 1.47         | 0        | 10         | 2         | 98         | 0.00      | 0.0               | 9.236             | 0.000 | 10         | 2            | 1    | 1  |
| 416553       | PL.6072     | B   | Consumer           | 7.23Y     | 120.5        | 0.00            | 5.55                     | 0.90         | 0        | 6          | 1         | 99         | 0.00      | 0.0               | 9.116             | 0.000 | 6          | 1            | 1    | 1  |
| PL.5184      | PL.25390    | B   | 4ACSR              | 7.23Y     | 120.5        | 0.01            | 5.52                     | 1.23         | 1        | 9          | 1         | 99         | 0.00      | 0.0               | 9.144             | 0.119 | 0          | 0            | 0    | 2  |
| PL.5185      | PL.5184     | B   | 4ACSR              | 7.23Y     | 120.5        | 0.00            | 5.52                     | 0.31         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 9.197             | 0.053 | 0          | 0            | 0    | 1  |
| 4165113      | PL.5185     | B   | Consumer           | 7.23Y     | 120.5        | 0.00            | 5.52                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.197             | 0.000 | 0          | 0            | 0    | 0  |
| 416541       | PL.5185     | B   | Consumer           | 7.23Y     | 120.5        | 0.00            | 5.52                     | 0.31         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 9.197             | 0.000 | 2          | 0            | 1    | 1  |
| 4165112      | PL.5185     | B   | Consumer           | 7.23Y     | 120.5        | 0.00            | 5.52                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.197             | 0.000 | 0          | 0            | 0    | 0  |
| 416551       | PL.5184     | B   | Consumer           | 7.23Y     | 120.5        | 0.00            | 5.52                     | 0.92         | 0        | 7          | 1         | 99         | 0.00      | 0.0               | 9.144             | 0.000 | 7          | 1            | 1    | 1  |
| PL.18315     | PL.25389    | A   | 4ACSR              | 7.44Y     | 124.1        | 0.00            | 1.95                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.832             | 0.018 | 0          | 0            | 0    | 1  |
| PD.556       | PL.18315    | A   | fuse6AMP           | 7.44Y     | 124.1        | 0.00            | 1.95                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 8.832             | 0.000 | 0          | 0            | 0    | 1  |
| PL.18316     | PD.556      | A   | 4ACSR              | 7.44Y     | 124.1        | 0.00            | 1.95                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.010             | 0.179 | 0          | 0            | 0    | 1  |
| 416515       | PL.18316    | A   | Consumer           | 7.44Y     | 124.1        | 0.00            | 1.95                     | 0.02         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 9.010             | 0.000 | 0          | 0            | 1    | 1  |
| PL.24865     | PL.9151     | C   | 4ACSR              | 7.13Y     | 118.8        | 0.01            | 7.17                     | 19.72        | 10       | 138        | 28        | 98         | 0.01      | 0.0               | 8.183             | 0.009 | 0          | 0            | 0    | 36 |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PD.294-A     | PL.24865    | C   | Closed             | 7.13Y     | 118.8        | 0.00            | 7.17                     | 19.72        | 0        | 138        | 28   | 98      | 0.00       | 0.0               | 8.183                               | 0.000 | 0    | 0          | 0            | 36        |
| PD.294-B     | PD.294-A    | C   | Closed             | 7.13Y     | 118.8        | 0.00            | 7.17                     | 19.72        | 0        | 138        | 28   | 98      | 0.00       | 0.0               | 8.183                               | 0.000 | 0    | 0          | 0            | 36        |
| PL.24866     | PD.294-B    | C   | 4ACSR              | 7.13Y     | 118.8        | 0.03            | 7.20                     | 19.72        | 10       | 138        | 28   | 98      | 0.03       | 0.0               | 8.219                               | 0.035 | 0    | 0          | 0            | 36        |
| PL.9194      | PL.24866    | C   | 4ACSR              | 7.12Y     | 118.7        | 0.07            | 7.27                     | 19.72        | 10       | 138        | 28   | 98      | 0.07       | 0.1               | 8.298                               | 0.080 | 0    | 0          | 0            | 36        |
| PL.9195      | PL.9194     | C   | 4ACSR              | 7.12Y     | 118.7        | 0.01            | 7.28                     | 19.07        | 10       | 133        | 27   | 98      | 0.01       | 0.0               | 8.314                               | 0.016 | 0    | 0          | 0            | 34        |
| PL.33701     | PL.9195     | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.28                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 8.321                               | 0.007 | 0    | 0          | 0            | 1         |
| PD.4000      | PL.33701    | C   | fuse6AMP           | 7.12Y     | 118.7        | 0.00            | 7.28                     | 0.09         | 1        | 1          | 0    | 100     | 0.00       | 0.0               | 8.321                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.33702     | PD.4000     | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.28                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 8.351                               | 0.030 | 0    | 0          | 0            | 1         |
| 416578       | PL.33702    | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.28                     | 0.09         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 8.351                               | 0.000 | 1    | 0          | 1            | 1         |
| PL.9196      | PL.9195     | C   | 4ACSR              | 7.12Y     | 118.7        | 0.03            | 7.31                     | 18.82        | 10       | 131        | 27   | 98      | 0.03       | 0.0               | 8.348                               | 0.034 | 0    | 0          | 0            | 30        |
| PL.9197      | PL.9196     | C   | 4ACSR              | 7.12Y     | 118.7        | 0.02            | 7.33                     | 15.23        | 8        | 107        | 19   | 98      | 0.01       | 0.0               | 8.372                               | 0.024 | 0    | 0          | 0            | 26        |
| 4165104      | PL.9197     | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.33                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.372                               | 0.000 | 0    | 0          | 0            | 0         |
| 416518       | PL.9197     | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.33                     | 0.04         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.372                               | 0.000 | 0    | 0          | 1            | 1         |
| 4165126      | PL.9197     | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.33                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.372                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.5183      | PL.9197     | C   | 4ACSR              | 7.12Y     | 118.6        | 0.04            | 7.37                     | 15.19        | 8        | 107        | 19   | 98      | 0.04       | 0.0               | 8.439                               | 0.067 | 0    | 0          | 0            | 25        |
| 416507       | PL.5183     | C   | Consumer           | 7.12Y     | 118.6        | 0.00            | 7.37                     | 0.26         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 8.439                               | 0.000 | 2    | 0          | 1            | 1         |
| 416580       | PL.5183     | C   | Consumer           | 7.12Y     | 118.6        | 0.00            | 7.37                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.439                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.9521      | PL.5183     | C   | 4ACSR              | 7.11Y     | 118.5        | 0.09            | 7.46                     | 14.93        | 8        | 105        | 18   | 99      | 0.08       | 0.1               | 8.581                               | 0.142 | 0    | 0          | 0            | 24        |
| PL.9522      | PL.9521     | C   | 4ACSR              | 7.11Y     | 118.5        | 0.03            | 7.49                     | 12.59        | 6        | 88         | 16   | 98      | 0.02       | 0.0               | 8.635                               | 0.054 | 0    | 0          | 0            | 18        |
| PL.9523      | PL.9522     | C   | 4ACSR              | 7.11Y     | 118.5        | 0.04            | 7.53                     | 11.53        | 6        | 81         | 14   | 99      | 0.03       | 0.0               | 8.716                               | 0.081 | 0    | 0          | 0            | 14        |
| PL.24860     | PL.9523     | C   | 4ACSR              | 7.11Y     | 118.4        | 0.03            | 7.57                     | 7.84         | 4        | 55         | 10   | 98      | 0.01       | 0.0               | 8.813                               | 0.097 | 0    | 0          | 0            | 7         |
| C PD.553     | PL.24860    | C   | fuse6AMP           | 7.11Y     | 118.4        | 0.00            | 7.57                     | 7.84         | 134      | 55         | 10   | 98      | 0.00       | 0.0               | 8.813                               | 0.000 | 0    | 0          | 0            | 7 C       |
| PL.24861     | PD.553      | C   | 4ACSR              | 7.11Y     | 118.4        | 0.00            | 7.57                     | 7.84         | 4        | 55         | 10   | 98      | 0.00       | 0.0               | 8.819                               | 0.005 | 0    | 0          | 0            | 7         |
| PL.9524      | PL.24861    | C   | 4ACSR              | 7.10Y     | 118.4        | 0.04            | 7.61                     | 7.54         | 4        | 53         | 9    | 99      | 0.02       | 0.0               | 8.948                               | 0.129 | 0    | 0          | 0            | 6         |
| PL.27977     | PL.9524     | C   | 4ACSR              | 7.10Y     | 118.3        | 0.05            | 7.66                     | 7.49         | 4        | 52         | 9    | 99      | 0.02       | 0.0               | 9.111                               | 0.164 | 0    | 0          | 0            | 5         |
| 416523       | PL.27977    | C   | Consumer           | 7.10Y     | 118.3        | 0.00            | 7.66                     | 1.13         | 0        | 8          | 1    | 99      | 0.00       | 0.0               | 9.111                               | 0.000 | 8    | 1          | 1            | 1         |
| PL.27978     | PL.27977    | C   | 4ACSR              | 7.10Y     | 118.3        | 0.03            | 7.69                     | 6.36         | 3        | 45         | 7    | 99      | 0.01       | 0.0               | 9.208                               | 0.097 | 0    | 0          | 0            | 4         |
| PL.6576      | PL.27978    | C   | 4ACSR              | 7.10Y     | 118.3        | 0.05            | 7.74                     | 6.36         | 3        | 45         | 7    | 99      | 0.02       | 0.0               | 9.376                               | 0.168 | 0    | 0          | 0            | 4         |
| PL.6577      | PL.6576     | C   | 4ACSR              | 7.09Y     | 118.2        | 0.06            | 7.79                     | 4.00         | 2        | 28         | 5    | 98      | 0.01       | 0.0               | 9.696                               | 0.320 | 0    | 0          | 0            | 2         |
| PL.6578      | PL.6577     | C   | 4ACSR              | 7.09Y     | 118.2        | 0.02            | 7.81                     | 3.34         | 2        | 23         | 4    | 99      | 0.00       | 0.0               | 9.801                               | 0.105 | 0    | 0          | 0            | 1         |
| 416602       | PL.6578     | C   | Consumer           | 7.09Y     | 118.2        | 0.00            | 7.81                     | 3.34         | 0        | 23         | 4    | 99      | 0.00       | 0.0               | 9.801                               | 0.000 | 23   | 4          | 1            | 1         |
| 415601       | PL.6577     | C   | Consumer           | 7.09Y     | 118.2        | 0.00            | 7.79                     | 0.66         | 0        | 5          | 1    | 98      | 0.00       | 0.0               | 9.696                               | 0.000 | 5    | 1          | 1            | 1         |
| 416611       | PL.6576     | C   | Consumer           | 7.10Y     | 118.3        | 0.00            | 7.74                     | 1.54         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 9.376                               | 0.000 | 11   | 2          | 1            | 1         |
| 415602       | PL.6576     | C   | Consumer           | 7.10Y     | 118.3        | 0.00            | 7.74                     | 0.82         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 9.376                               | 0.000 | 6    | 1          | 1            | 1         |
| 416531       | PL.9524     | C   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.61                     | 0.05         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.948                               | 0.000 | 0    | 0          | 1            | 1         |
| 416535       | PL.24861    | C   | Consumer           | 7.11Y     | 118.4        | 0.00            | 7.57                     | 0.32         | 0        | 2          | 1    | 89      | 0.00       | 0.0               | 8.819                               | 0.000 | 2    | 1          | 1            | 1         |
| PL.2218      | PL.9523     | C   | 4ACSR              | 7.11Y     | 118.4        | 0.03            | 7.56                     | 3.69         | 2        | 26         | 5    | 98      | 0.01       | 0.0               | 8.902                               | 0.186 | 0    | 0          | 0            | 7         |
| PL.2219      | PL.2218     | C   | 4ACSR              | 7.11Y     | 118.4        | 0.00            | 7.57                     | 3.69         | 2        | 26         | 5    | 98      | 0.00       | 0.0               | 8.920                               | 0.018 | 0    | 0          | 0            | 7         |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |           |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------------------------|-------|------|------------|--------------|-----------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   |                                     |       |      |            |              | %<br>Loss |
| PL.2179      | PL.2219     | C   | 4ACSR              | 7.11Y     | 118.4        | 0.00            | 7.57                     | 3.69         | 2        | 26         | 5    | 98      | 0.00       | 0.0               | 8.937                               | 0.017 | 0    | 0          | 0            | 7         |
| PL.2180      | PL.2179     | C   | 4ACSR              | 7.10Y     | 118.4        | 0.02            | 7.59                     | 3.69         | 2        | 26         | 5    | 98      | 0.00       | 0.0               | 9.036                               | 0.099 | 0    | 0          | 0            | 7         |
| PL.6575      | PL.2180     | C   | 4ACSR              | 7.10Y     | 118.4        | 0.00            | 7.59                     | 3.69         | 2        | 26         | 5    | 98      | 0.00       | 0.0               | 9.042                               | 0.005 | 0    | 0          | 0            | 7         |
| 416601       | PL.6575     | C   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.59                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.042                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.9816      | PL.6575     | C   | 4ACSR              | 7.10Y     | 118.4        | 0.01            | 7.59                     | 3.69         | 2        | 26         | 5    | 98      | 0.00       | 0.0               | 9.079                               | 0.037 | 0    | 0          | 0            | 7         |
| PL.2178      | PL.9816     | C   | 4ACSR              | 7.10Y     | 118.4        | 0.00            | 7.60                     | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 9.177                               | 0.098 | 0    | 0          | 0            | 3         |
| PL.2177      | PL.2178     | C   | 4ACSR              | 7.10Y     | 118.4        | 0.01            | 7.60                     | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 9.437                               | 0.260 | 0    | 0          | 0            | 3         |
| 416609       | PL.2177     | C   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.60                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.437                               | 0.000 | 0    | 0          | 1            | 1         |
| 4166013      | PL.2177     | C   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.60                     | 0.16         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 9.437                               | 0.000 | 1    | 0          | 1            | 1         |
| 416608       | PL.2177     | C   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.60                     | 0.45         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 9.437                               | 0.000 | 3    | 1          | 1            | 1         |
| PL.9817      | PL.9816     | C   | 4ACSR              | 7.10Y     | 118.4        | 0.00            | 7.60                     | 3.08         | 2        | 22         | 4    | 98      | 0.00       | 0.0               | 9.110                               | 0.031 | 0    | 0          | 0            | 4         |
| PL.2181      | PL.9817     | C   | 4ACSR              | 7.10Y     | 118.4        | 0.01            | 7.61                     | 3.08         | 2        | 22         | 4    | 98      | 0.00       | 0.0               | 9.199                               | 0.090 | 0    | 0          | 0            | 4         |
| 416603       | PL.2181     | C   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.61                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 9.199                               | 0.000 | 0    | 0          | 1            | 1         |
| 416612       | PL.2181     | C   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.61                     | 0.30         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 9.199                               | 0.000 | 2    | 0          | 1            | 1         |
| PL.6573      | PL.2181     | C   | 4ACSR              | 7.10Y     | 118.4        | 0.01            | 7.62                     | 2.79         | 1        | 20         | 3    | 99      | 0.00       | 0.0               | 9.292                               | 0.092 | 0    | 0          | 0            | 2         |
| PL.6574      | PL.6573     | C   | 4ACSR              | 7.10Y     | 118.4        | 0.00            | 7.62                     | 1.92         | 1        | 13         | 2    | 99      | 0.00       | 0.0               | 9.343                               | 0.051 | 0    | 0          | 0            | 1         |
| 416606       | PL.6574     | C   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.62                     | 1.92         | 0        | 13         | 2    | 99      | 0.00       | 0.0               | 9.343                               | 0.000 | 13   | 2          | 1            | 1         |
| 416605       | PL.6573     | C   | Consumer           | 7.10Y     | 118.4        | 0.00            | 7.62                     | 0.87         | 0        | 6          | 1    | 99      | 0.00       | 0.0               | 9.292                               | 0.000 | 6    | 1          | 1            | 1         |
| PL.33707     | PL.9522     | C   | 4ACSR              | 7.11Y     | 118.5        | 0.00            | 7.49                     | 0.55         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 8.638                               | 0.003 | 0    | 0          | 0            | 1         |
| PD.4003      | PL.33707    | C   | fuse6AMP           | 7.11Y     | 118.5        | 0.00            | 7.49                     | 0.55         | 9        | 4          | 1    | 97      | 0.00       | 0.0               | 8.638                               | 0.000 | 0    | 0          | 0            | 1         |
| PL.33710     | PD.4003     | C   | 4ACSR              | 7.11Y     | 118.5        | 0.00            | 7.49                     | 0.55         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 8.642                               | 0.003 | 0    | 0          | 0            | 1         |
| PL.33711     | PL.33710    | C   | 4ACSR              | 7.11Y     | 118.5        | 0.00            | 7.50                     | 0.55         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 8.698                               | 0.056 | 0    | 0          | 0            | 1         |
| 416530       | PL.33711    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.50                     | 0.55         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 8.698                               | 0.000 | 4    | 1          | 1            | 1         |
| PL.33709     | PL.33710    | C   | 4ACSR              | 7.11Y     | 118.5        | 0.00            | 7.49                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.764                               | 0.123 | 0    | 0          | 0            | 0         |
| 4165117      | PL.33709    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.49                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.764                               | 0.000 | 0    | 0          | 0            | 0         |
| 416503       | PL.33709    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.49                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.764                               | 0.000 | 0    | 0          | 0            | 0         |
| 416593       | PL.33709    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.49                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.764                               | 0.000 | 0    | 0          | 0            | 0         |
| 4165100      | PL.9522     | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.49                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.635                               | 0.000 | 0    | 0          | 0            | 0         |
| 416504       | PL.9522     | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.49                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.635                               | 0.000 | 0    | 0          | 0            | 0         |
| 4165114      | PL.9522     | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.49                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.635                               | 0.000 | 0    | 0          | 0            | 0         |
| 416510       | PL.9522     | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.49                     | 0.13         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 8.635                               | 0.000 | 1    | 0          | 1            | 1         |
| 416533       | PL.9522     | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.49                     | 0.05         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.635                               | 0.000 | 0    | 0          | 1            | 1         |
| 416511       | PL.9522     | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.49                     | 0.31         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 8.635                               | 0.000 | 2    | 0          | 1            | 1         |
| 416599       | PL.9522     | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.49                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.635                               | 0.000 | 0    | 0          | 0            | 0         |
| PL.33705     | PL.9521     | C   | 4ACSR              | 7.11Y     | 118.5        | 0.00            | 7.47                     | 1.90         | 1        | 13         | 2    | 99      | 0.00       | 0.0               | 8.593                               | 0.012 | 0    | 0          | 0            | 3         |
| PD.4002      | PL.33705    | C   | fuse6AMP           | 7.11Y     | 118.5        | 0.00            | 7.47                     | 1.90         | 32       | 13         | 2    | 99      | 0.00       | 0.0               | 8.593                               | 0.000 | 0    | 0          | 0            | 3         |
| PL.33706     | PD.4002     | C   | 4ACSR              | 7.11Y     | 118.5        | 0.01            | 7.47                     | 1.90         | 1        | 13         | 2    | 99      | 0.00       | 0.0               | 8.674                               | 0.081 | 0    | 0          | 0            | 3         |
| 416513       | PL.33706    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.47                     | 1.53         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 8.674                               | 0.000 | 11   | 2          | 1            | 1         |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| 4165115      | PL.33706    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.47                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.674             | 0.000          | 0          | 0            | 0  | 0    |
| 4165130      | PL.33706    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.47                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.674             | 0.000          | 0          | 0            | 0  | 0    |
| 416512       | PL.33706    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.47                     | 0.23         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 8.674             | 0.000          | 2          | 0            | 1  | 1    |
| 4165125      | PL.33706    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.47                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.674             | 0.000          | 0          | 0            | 0  | 0    |
| 416508       | PL.33706    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.47                     | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 8.674             | 0.000          | 1          | 0            | 1  | 1    |
| 4165116      | PL.33706    | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.47                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.674             | 0.000          | 0          | 0            | 0  | 0    |
| 416573       | PL.9521     | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.46                     | 0.10         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 8.581             | 0.000          | 1          | 0            | 1  | 1    |
| 416505       | PL.9521     | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.46                     | 0.10         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 8.581             | 0.000          | 1          | 0            | 1  | 1    |
| 4165101      | PL.9521     | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.46                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.581             | 0.000          | 0          | 0            | 0  | 0    |
| 416509       | PL.9521     | C   | Consumer           | 7.11Y     | 118.5        | 0.00            | 7.46                     | 0.25         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 8.581             | 0.000          | 2          | 0            | 1  | 1    |
| 416517       | PL.9196     | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.31                     | 0.44         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 8.348             | 0.000          | 3          | 1            | 1  | 1    |
| 416516       | PL.9196     | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.31                     | 0.28         | 0        | 2          | 0    | 100     | 0.00       | 0.0               | 8.348             | 0.000          | 2          | 0            | 1  | 1    |
| 416543       | PL.9196     | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.31                     | 2.00         | 0        | 13         | 6    | 91      | 0.00       | 0.0               | 8.348             | 0.000          | 13         | 6            | 1  | 1    |
| PL.33696     | PL.9196     | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.31                     | 0.94         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 8.359             | 0.011          | 0          | 0            | 0  | 1    |
| PD.3999      | PL.33696    | C   | fuse6AMP           | 7.12Y     | 118.7        | 0.00            | 7.31                     | 0.94         | 16       | 7          | 1    | 99      | 0.00       | 0.0               | 8.359             | 0.000          | 0          | 0            | 0  | 1    |
| PL.33697     | PD.3999     | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.31                     | 0.94         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 8.379             | 0.019          | 0          | 0            | 0  | 1    |
| 416572       | PL.33697    | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.31                     | 0.94         | 0        | 7          | 1    | 99      | 0.00       | 0.0               | 8.379             | 0.000          | 7          | 1            | 1  | 1    |
| 4165105      | PL.33697    | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.31                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.379             | 0.000          | 0          | 0            | 0  | 0    |
| PL.33703     | PL.9195     | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.28                     | 0.17         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 8.322             | 0.008          | 0          | 0            | 0  | 3    |
| PD.4001      | PL.33703    | C   | fuse6AMP           | 7.12Y     | 118.7        | 0.00            | 7.28                     | 0.17         | 3        | 1          | 0    | 100     | 0.00       | 0.0               | 8.322             | 0.000          | 0          | 0            | 0  | 3    |
| PL.33704     | PD.4001     | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.28                     | 0.17         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 8.424             | 0.102          | 0          | 0            | 0  | 3    |
| PL.2223      | PL.33704    | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.29                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.470             | 0.046          | 0          | 0            | 0  | 1    |
| 416577       | PL.2223     | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.29                     | 0.01         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.470             | 0.000          | 0          | 0            | 1  | 1    |
| PL.9153      | PL.33704    | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.29                     | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 8.501             | 0.077          | 0          | 0            | 0  | 2    |
| 416574       | PL.9153     | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.29                     | 0.15         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 8.501             | 0.000          | 1          | 0            | 1  | 1    |
| 416575       | PL.9153     | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.29                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.501             | 0.000          | 0          | 0            | 1  | 1    |
| PL.24863     | PL.9194     | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.27                     | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 8.304             | 0.005          | 0          | 0            | 0  | 1    |
| PD.555       | PL.24863    | C   | fuse6AMP           | 7.12Y     | 118.7        | 0.00            | 7.27                     | 0.61         | 10       | 4          | 1    | 97      | 0.00       | 0.0               | 8.304             | 0.000          | 0          | 0            | 0  | 1    |
| PL.24862     | PD.555      | C   | 4ACSR              | 7.12Y     | 118.7        | 0.00            | 7.27                     | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 8.373             | 0.070          | 0          | 0            | 0  | 1    |
| 416525       | PL.24862    | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.27                     | 0.61         | 0        | 4          | 1    | 97      | 0.00       | 0.0               | 8.373             | 0.000          | 4          | 1            | 1  | 1    |
| 4165106      | PL.24862    | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.27                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.373             | 0.000          | 0          | 0            | 0  | 0    |
| 416571       | PL.9194     | C   | Consumer           | 7.12Y     | 118.7        | 0.00            | 7.27                     | 0.05         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.298             | 0.000          | 0          | 0            | 1  | 1    |
| PL.32283     | PL.32284    | C   | 4ACSR              | 7.14Y     | 118.9        | 0.00            | 7.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.074             | 0.053          | 0          | 0            | 0  | 1    |
| 4175034      | PL.32283    | C   | Consumer           | 7.14Y     | 118.9        | 0.00            | 7.05                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 8.074             | 0.000          | 0          | 0            | 1  | 1    |
| PL.9884      | PL.9895     | C   | 4ACSR              | 7.14Y     | 119.0        | 0.00            | 7.03                     | 1.31         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 8.003             | 0.009          | 0          | 0            | 0  | 1    |
| PD.569       | PL.9884     | C   | fuse6AMP           | 7.14Y     | 119.0        | 0.00            | 7.03                     | 1.31         | 22       | 9          | 2    | 98      | 0.00       | 0.0               | 8.003             | 0.000          | 0          | 0            | 0  | 1    |
| PL.9885      | PD.569      | C   | 4ACSR              | 7.14Y     | 119.0        | 0.01            | 7.04                     | 1.31         | 1        | 9          | 2    | 98      | 0.00       | 0.0               | 8.111             | 0.108          | 0          | 0            | 0  | 1    |
| 417531       | PL.9885     | C   | Consumer           | 7.14Y     | 119.0        | 0.00            | 7.04                     | 1.31         | 0        | 9          | 2    | 98      | 0.00       | 0.0               | 8.111             | 0.000          | 9          | 2            | 1  | 1    |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |           |            |           | mi<br>From<br>Src | -----Element----- |       | Cons<br>On | Cons<br>Thru |      |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|-----------|------------|-----------|-------------------|-------------------|-------|------------|--------------|------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>KVAR | kW<br>Loss | %<br>Loss |                   | Length<br>(mi)    | KW    |            |              | KVAR |     |
| 417530       | PL.9894     | C   | Consumer           | 7.14Y     | 119.0        | 0.00            | 6.97                     | 2.84         | 0        | 20         | 3         | 99         | 0.00      | 0.0               | 7.911             | 0.000 | 20         | 3            | 1    | 1   |
| PL.9902      | PL.9900     | C   | 4ACSR              | 7.17Y     | 119.5        | 0.00            | 6.53                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.407             | 0.009 | 0          | 0            | 0    | 0   |
| PD.561       | PL.9902     | C   | fuse6AMP           | 7.17Y     | 119.5        | 0.00            | 6.53                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.407             | 0.000 | 0          | 0            | 0    | 0   |
| PL.9903      | PD.561      | C   | 4ACSR              | 7.17Y     | 119.5        | 0.00            | 6.53                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.462             | 0.055 | 0          | 0            | 0    | 0   |
| 417512       | PL.9903     | C   | Consumer           | 7.17Y     | 119.5        | 0.00            | 6.53                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.462             | 0.000 | 0          | 0            | 0    | 0   |
| PL.2227      | PL.25392    | C   | 4ACSR              | 7.18Y     | 119.6        | 0.00            | 6.37                     | 0.33         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 7.336             | 0.122 | 0          | 0            | 0    | 1   |
| 417513       | PL.2227     | C   | Consumer           | 7.18Y     | 119.6        | 0.00            | 6.37                     | 0.33         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 7.336             | 0.000 | 2          | 0            | 1    | 1   |
| 417533       | PL.2227     | C   | Consumer           | 7.18Y     | 119.6        | 0.00            | 6.37                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 7.336             | 0.000 | 0          | 0            | 0    | 0   |
| 418532       | PL.17974    | B   | Consumer           | 7.30Y     | 121.6        | 0.00            | 4.40                     | 0.62         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 7.017             | 0.000 | 4          | 1            | 1    | 1   |
| PL.45792     | PL.6081     | C   | 2ACSR              | 7.21Y     | 120.2        | 0.00            | 5.77                     | 0.28         | 0        | 2          | 1         | 89         | 0.00      | 0.0               | 6.599             | 0.013 | 0          | 0            | 0    | 1   |
| PD.8679      | PL.45792    | C   | fuse6AMP           | 7.21Y     | 120.2        | 0.00            | 5.77                     | 0.28         | 5        | 2          | 1         | 89         | 0.00      | 0.0               | 6.599             | 0.000 | 0          | 0            | 0    | 1   |
| PL.45793     | PD.8679     | C   | 2ACSR              | 7.21Y     | 120.2        | 0.00            | 5.77                     | 0.28         | 0        | 2          | 1         | 89         | 0.00      | 0.0               | 6.672             | 0.073 | 0          | 0            | 0    | 1   |
| 418509       | PL.45793    | C   | Consumer           | 7.21Y     | 120.2        | 0.00            | 5.77                     | 0.28         | 0        | 2          | 1         | 89         | 0.00      | 0.0               | 6.672             | 0.000 | 2          | 1            | 1    | 1   |
| 418507       | PL.9134     | C   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.64                     | 0.60         | 0        | 4          | 1         | 97         | 0.00      | 0.0               | 6.462             | 0.000 | 4          | 1            | 1    | 1   |
| 418521       | PL.9134     | C   | Consumer           | 7.22Y     | 120.4        | 0.00            | 5.64                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.462             | 0.000 | 0          | 0            | 1    | 1   |
| PL.10036     | PL.9133     | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.35                     | 3.01         | 2        | 22         | 4         | 98         | 0.00      | 0.0               | 6.259             | 0.009 | 0          | 0            | 0    | 4   |
| PD.565       | PL.10036    | A   | fuse6AMP           | 7.42Y     | 123.6        | 0.00            | 2.35                     | 3.01         | 51       | 22         | 4         | 98         | 0.00      | 0.0               | 6.259             | 0.000 | 0          | 0            | 0    | 4   |
| PL.10037     | PD.565      | A   | 4ACSR              | 7.42Y     | 123.6        | 0.01            | 2.37                     | 3.01         | 2        | 22         | 4         | 98         | 0.00      | 0.0               | 6.346             | 0.086 | 0          | 0            | 0    | 4   |
| PL.9135      | PL.10037    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.37                     | 1.10         | 1        | 8          | 1         | 99         | 0.00      | 0.0               | 6.438             | 0.092 | 0          | 0            | 0    | 1   |
| PL.44152     | PL.9135     | A   | 2ACSR              | 7.42Y     | 123.6        | 0.00            | 2.37                     | 1.10         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 6.473             | 0.035 | 0          | 0            | 0    | 1   |
| 4185039      | PL.44152    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.473             | 0.000 | 0          | 0            | 0    | 0   |
| 4185038      | 4185039     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.473             | 0.000 | 0          | 0            | 0    | 0   |
| 418516       | PL.44152    | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 1.10         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 6.473             | 0.000 | 8          | 1            | 1    | 1   |
| PL.2245      | PL.10037    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.37                     | 1.92         | 1        | 14         | 3         | 98         | 0.00      | 0.0               | 6.365             | 0.019 | 0          | 0            | 0    | 3   |
| 418527       | PL.2245     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.64         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 6.365             | 0.000 | 5          | 1            | 1    | 1   |
| 419529       | PL.2245     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.17         | 0        | 1          | 1         | 71         | 0.00      | 0.0               | 6.365             | 0.000 | 1          | 1            | 1    | 1   |
| 418529       | PL.2245     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 1.11         | 0        | 8          | 1         | 99         | 0.00      | 0.0               | 6.365             | 0.000 | 8          | 1            | 1    | 1   |
| PL.2246      | PL.10037    | A   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.413             | 0.067 | 0          | 0            | 0    | 0   |
| 418519       | PL.2246     | A   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.00         | 0        | 0          | 0         | 100        | 0.00      | 0.0               | 6.413             | 0.000 | 0          | 0            | 0    | 0   |
| 419530       | PL.24688    | B   | Consumer           | 7.32Y     | 122.0        | 0.00            | 3.96                     | 0.74         | 0        | 5          | 1         | 98         | 0.00      | 0.0               | 6.114             | 0.000 | 5          | 1            | 1    | 1   |
| PL.2257      | PL.20183    | B   | 4ACSR              | 7.33Y     | 122.1        | 0.01            | 3.87                     | 4.27         | 2        | 31         | 5         | 99         | 0.00      | 0.0               | 5.912             | 0.048 | 0          | 0            | 0    | 2   |
| PL.2256      | PL.2257     | B   | 4ACSR              | 7.33Y     | 122.1        | 0.01            | 3.88                     | 4.27         | 2        | 31         | 5         | 99         | 0.00      | 0.0               | 5.958             | 0.045 | 0          | 0            | 0    | 2   |
| 4195042      | PL.2256     | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.88                     | 2.72         | 0        | 20         | 3         | 99         | 0.00      | 0.0               | 5.958             | 0.000 | 20         | 3            | 1    | 1   |
| 419540       | PL.2256     | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.88                     | 1.55         | 0        | 11         | 2         | 98         | 0.00      | 0.0               | 5.958             | 0.000 | 11         | 2            | 1    | 1   |
| 419515       | PL.20183    | B   | Consumer           | 7.33Y     | 122.1        | 0.00            | 3.86                     | 1.20         | 0        | 9          | 1         | 99         | 0.00      | 0.0               | 5.865             | 0.000 | 9          | 1            | 1    | 1   |
| P CP.7       | PL.20182    | A   | Cap (150)          | 7.42Y     | 123.7        | 0.00            | 2.26                     | -7.16        | 0        | 0          | -53       | 0          | 0.00      | 0.0               | 5.857             | 0.000 | 0          | 0            | 0    | 0 P |
| P            |             | B   |                    | 7.33Y     | 122.1        | 0.00            | 3.86                     | -7.07        | 0        | 0          | -52       | 0          |           |                   |                   |       | 0          | 0            | 0    | 0 P |
| P            |             | C   |                    | 7.26Y     | 121.0        | 0.00            | 4.97                     | -7.00        | 0        | 0          | -51       | 0          |           |                   |                   |       | 0          | 0            | 0    | 0 P |
| PL.9834      | PL.9113     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.20                     | 0.23         | 0        | 2          | 0         | 100        | 0.00      | 0.0               | 5.693             | 0.009 | 0          | 0            | 0    | 2   |



Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts<br>-Base Voltage:120.0- |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop                                    | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PD.1548      | PL.9834     | A   | fuse6AMP           | 7.43Y     | 123.8        | 0.00            | 2.20   | 0.23         | 4        | 2          | 0       | 100        | 0.00      | 0.0               | 5.693                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.9835      | PD.1548     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.20   | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.809                               | 0.116 | 0    | 0          | 0            | 2 |
| 470501       | PL.9835     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 5.809                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.6812      | PL.9835     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.20   | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.024                               | 0.215 | 0    | 0          | 0            | 2 |
| PL.6810      | PL.6812     | A   | 4ACSR              | 7.43Y     | 123.8        | 0.00            | 2.20   | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.125                               | 0.101 | 0    | 0          | 0            | 1 |
| 470507       | PL.6810     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20   | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.125                               | 0.000 | 0    | 0          | 1            | 1 |
| 470511       | PL.6812     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20   | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.024                               | 0.000 | 2    | 0          | 1            | 1 |
| 470513       | PL.9110     | A   | Consumer           | 7.43Y     | 123.8        | 0.00            | 2.20   | 0.68         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 5.683                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.9832      | PL.9109     | C   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.54   | 4.31         | 2        | 31         | 5       | 99         | 0.00      | 0.0               | 5.553                               | 0.011 | 0    | 0          | 0            | 5 |
| PD.1549      | PL.9832     | C   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.54   | 4.31         | 74       | 31         | 5       | 99         | 0.00      | 0.0               | 5.553                               | 0.000 | 0    | 0          | 0            | 5 |
| PL.9833      | PD.1549     | C   | 4ACSR              | 7.29Y     | 121.4        | 0.02            | 4.57   | 4.31         | 2        | 31         | 5       | 99         | 0.01      | 0.0               | 5.682                               | 0.128 | 0    | 0          | 0            | 5 |
| PL.24076     | PL.9833     | C   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.57   | 0.95         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 5.742                               | 0.060 | 0    | 0          | 0            | 1 |
| 470509       | PL.24076    | C   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.57   | 0.95         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 5.742                               | 0.000 | 7    | 1          | 1            | 1 |
| PL.9111      | PL.9833     | C   | 4ACSR              | 7.28Y     | 121.4        | 0.02            | 4.58   | 3.36         | 2        | 24         | 4       | 99         | 0.00      | 0.0               | 5.792                               | 0.110 | 0    | 0          | 0            | 4 |
| PL.9112      | PL.9111     | C   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.59   | 1.48         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 5.846                               | 0.055 | 0    | 0          | 0            | 3 |
| PL.15013     | PL.9112     | C   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.59   | 1.48         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 5.851                               | 0.005 | 0    | 0          | 0            | 3 |
| PL.15014     | PL.15013    | C   | 4ACSR              | 7.28Y     | 121.4        | 0.01            | 4.60   | 1.15         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 6.105                               | 0.254 | 0    | 0          | 0            | 2 |
| 470506       | PL.15014    | C   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.60   | 0.34         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 6.105                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.24093     | PL.15014    | C   | 4ACSR              | 7.28Y     | 121.4        | 0.00            | 4.60   | 0.82         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 6.191                               | 0.086 | 0    | 0          | 0            | 1 |
| 419538       | PL.24093    | C   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.60   | 0.82         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 6.191                               | 0.000 | 6    | 1          | 1            | 1 |
| 470514       | PL.24093    | C   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.60   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.191                               | 0.000 | 0    | 0          | 0            | 0 |
| 4195043      | PL.24093    | C   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.60   | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 6.191                               | 0.000 | 0    | 0          | 0            | 0 |
| 470504       | PL.15013    | C   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.59   | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 5.851                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.24090     | PL.9111     | C   | 4ACSR              | 7.28Y     | 121.4        | 0.01            | 4.59   | 1.88         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 5.860                               | 0.068 | 0    | 0          | 0            | 1 |
| 470512       | PL.24090    | C   | Consumer           | 7.28Y     | 121.4        | 0.00            | 4.59   | 1.88         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 5.860                               | 0.000 | 14   | 2          | 1            | 1 |
| 470510       | PL.6811     | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.50   | 0.77         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.515                               | 0.000 | 6    | 1          | 1            | 1 |
| 470502       | PL.6811     | C   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.50   | 1.29         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 5.515                               | 0.000 | 9    | 2          | 1            | 1 |
| PL.10034     | PL.10033    | C   | 4ACSR              | 7.32Y     | 121.9        | 0.00            | 4.05   | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.242                               | 0.007 | 0    | 0          | 0            | 1 |
| PD.1550      | PL.10034    | C   | fuse6AMP           | 7.32Y     | 121.9        | 0.00            | 4.05   | 0.11         | 2        | 1          | 0       | 100        | 0.00      | 0.0               | 5.242                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.10035     | PD.1550     | C   | 4ACSR              | 7.32Y     | 121.9        | 0.00            | 4.05   | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.316                               | 0.074 | 0    | 0          | 0            | 1 |
| 470508       | PL.10035    | C   | Consumer           | 7.32Y     | 121.9        | 0.00            | 4.05   | 0.11         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 5.316                               | 0.000 | 1    | 0          | 1            | 1 |
| 471509       | PL.6809     | C   | Consumer           | 7.34Y     | 122.3        | 0.00            | 3.73   | 0.82         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 5.034                               | 0.000 | 6    | 1          | 1            | 1 |
| 471536       | PL.9808     | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.83   | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.718                               | 0.000 | 2    | 0          | 1            | 1 |
| PL.10020     | PL.9808     | A   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.83   | 0.43         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.728                               | 0.010 | 0    | 0          | 0            | 2 |
| PD.1551      | PL.10020    | A   | fuse6AMP           | 7.45Y     | 124.2        | 0.00            | 1.83   | 0.43         | 7        | 3          | 1       | 95         | 0.00      | 0.0               | 4.728                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.10021     | PD.1551     | A   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.83   | 0.43         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 4.800                               | 0.072 | 0    | 0          | 0            | 2 |
| 471508       | PL.10021    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.83   | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 4.800                               | 0.000 | 3    | 0          | 1            | 1 |
| 471531       | PL.10021    | A   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.83   | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.800                               | 0.000 | 0    | 0          | 1            | 1 |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |      |         |            | mi<br>From<br>Src | -----Element----- |                | Cons<br>On | Cons<br>Thru |    |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|------|---------|------------|-------------------|-------------------|----------------|------------|--------------|----|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | KVAR | %<br>PF | kW<br>Loss |                   | %<br>Loss         | Length<br>(mi) |            |              | KW | KVAR |
| 471539       | PL.9122     | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.00                     | 0.08         | 0        | 1          | 0    | 100     | 0.00       | 0.0               | 4.495             | 0.000          | 1          | 0            | 1  | 1    |
| 471535       | PL.9122     | B   | Consumer           | 7.38Y     | 123.0        | 0.00            | 3.00                     | 0.38         | 0        | 3          | 0    | 100     | 0.00       | 0.0               | 4.495             | 0.000          | 3          | 0            | 1  | 1    |
| PL.10018     | PL.25367    | C   | 4ACSR              | 7.39Y     | 123.2        | 0.00            | 2.84                     | 3.04         | 2        | 22         | 4    | 98      | 0.00       | 0.0               | 4.367             | 0.010          | 0          | 0            | 0  | 2    |
| PD.1552      | PL.10018    | C   | fuse6AMP           | 7.39Y     | 123.2        | 0.00            | 2.84                     | 3.04         | 52       | 22         | 4    | 98      | 0.00       | 0.0               | 4.367             | 0.000          | 0          | 0            | 0  | 2    |
| PL.10019     | PD.1552     | C   | 4ACSR              | 7.39Y     | 123.1        | 0.02            | 2.86                     | 3.04         | 2        | 22         | 4    | 98      | 0.00       | 0.0               | 4.488             | 0.121          | 0          | 0            | 0  | 2    |
| 471518       | PL.10019    | C   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.86                     | 1.18         | 0        | 9          | 1    | 99      | 0.00       | 0.0               | 4.488             | 0.000          | 9          | 1            | 1  | 1    |
| 471526       | PL.10019    | C   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.86                     | 1.86         | 0        | 14         | 2    | 99      | 0.00       | 0.0               | 4.488             | 0.000          | 14         | 2            | 1  | 1    |
| PL.19917     | PL.25541    | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.276             | 0.004          | 0          | 0            | 0  | 2    |
|              |             | B   |                    | 7.40Y     | 123.3        | 0.00            | 2.67                     | 0.45         | 0        | 3          | 1    | 99      |            |                   |                   |                | 0          | 0            | 0  | 1    |
|              |             | C   |                    | 7.40Y     | 123.3        | -0.00           | 2.73                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                   |                | 0          | 0            | 0  | 0    |
| PD.1555      | PL.19917    | A   | fuse6AMP           | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.276             | 0.000          | 0          | 0            | 0  | 2    |
|              |             | B   |                    | 7.40Y     | 123.3        | 0.00            | 2.67                     | 0.45         | 8        | 3          | 1    | 99      |            |                   |                   |                | 0          | 0            | 0  | 1    |
|              |             | C   |                    | 7.40Y     | 123.3        | 0.00            | 2.73                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                   |                | 0          | 0            | 0  | 0    |
| PL.19918     | PD.1555     | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.279             | 0.004          | 0          | 0            | 0  | 2    |
|              |             | B   |                    | 7.40Y     | 123.3        | 0.00            | 2.67                     | 0.45         | 0        | 3          | 1    | 99      |            |                   |                   |                | 0          | 0            | 0  | 1    |
|              |             | C   |                    | 7.40Y     | 123.3        | -0.00           | 2.73                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                   |                | 0          | 0            | 0  | 0    |
| 471506       | PL.19918    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.67                     | 0.45         | 0        | 3          | 1    | 95      | 0.00       | 0.0               | 4.279             | 0.000          | 3          | 1            | 1  | 1    |
| PL.19246     | PL.19918    | A   | 1/0ACSR            | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.406             | 0.127          | 0          | 0            | 0  | 2    |
|              |             | B   |                    | 7.40Y     | 123.3        | 0.00            | 2.67                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                   |                | 0          | 0            | 0  | 0    |
|              |             | C   |                    | 7.40Y     | 123.3        | 0.00            | 2.73                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                   |                | 0          | 0            | 0  | 0    |
| 471505       | PL.19246    | A   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.406             | 0.000          | 0          | 0            | 1  | 1    |
| 471529       | PL.19246    | B   | Consumer           | 7.40Y     | 123.3        | 0.00            | 2.67                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.406             | 0.000          | 0          | 0            | 0  | 0    |
| PL.6806      | PL.19246    | A   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.512             | 0.106          | 0          | 0            | 0  | 1    |
| PL.6807      | PL.6806     | A   | 4ACSR              | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.586             | 0.074          | 0          | 0            | 0  | 0    |
| 471519       | PL.6807     | A   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.586             | 0.000          | 0          | 0            | 0  | 0    |
| 471503       | PL.6806     | A   | Consumer           | 7.47Y     | 124.5        | 0.00            | 1.51                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.512             | 0.000          | 0          | 0            | 1  | 1    |
| PL.24085     | PL.9120     | B   | 4ACSR              | 7.41Y     | 123.5        | 0.00            | 2.49                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.198             | 0.052          | 0          | 0            | 0  | 0    |
| PL.24083     | PL.9119     | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.37                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.520             | 0.437          | 0          | 0            | 0  | 0    |
|              |             | B   |                    | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                   |                | 0          | 0            | 0  | 0    |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.00            | 2.49                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                   |                | 0          | 0            | 0  | 0    |
| PL.24084     | PL.24083    | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.37                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.609             | 0.089          | 0          | 0            | 0  | 0    |
|              |             | B   |                    | 7.42Y     | 123.6        | 0.00            | 2.39                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                   |                | 0          | 0            | 0  | 0    |
|              |             | C   |                    | 7.41Y     | 123.5        | 0.00            | 2.49                     | 0.00         | 0        | 0          | 0    | 100     |            |                   |                   |                | 0          | 0            | 0  | 0    |
| PL.24081     | PL.24084    | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.37                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.784             | 0.175          | 0          | 0            | 0  | 0    |
| PL.24082     | PL.24081    | A   | 4ACSR              | 7.48Y     | 124.6        | 0.00            | 1.37                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.858             | 0.073          | 0          | 0            | 0  | 0    |
| 472403       | PL.24082    | A   | Consumer           | 7.48Y     | 124.6        | 0.00            | 1.37                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.858             | 0.000          | 0          | 0            | 0  | 0    |
| PL.22126     | PL.9118     | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.36                     | 1.44         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 3.995             | 0.013          | 0          | 0            | 0  | 1    |
| PD.2678      | PL.22126    | C   | fuse6AMP           | 7.42Y     | 123.6        | 0.00            | 2.36                     | 1.44         | 25       | 11         | 2    | 98      | 0.00       | 0.0               | 3.995             | 0.000          | 0          | 0            | 0  | 1    |
| PL.21823     | PD.2678     | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.37                     | 1.44         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 4.045             | 0.051          | 0          | 0            | 0  | 1    |
| PL.24080     | PL.21823    | C   | 4ACSR              | 7.42Y     | 123.6        | 0.00            | 2.37                     | 1.44         | 1        | 11         | 2    | 98      | 0.00       | 0.0               | 4.120             | 0.075          | 0          | 0            | 0  | 1    |
| 472518       | PL.24080    | C   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 1.44         | 0        | 11         | 2    | 98      | 0.00       | 0.0               | 4.120             | 0.000          | 11         | 2            | 1  | 1    |
| 472509       | PL.24080    | C   | Consumer           | 7.42Y     | 123.6        | 0.00            | 2.37                     | 0.00         | 0        | 0          | 0    | 100     | 0.00       | 0.0               | 4.120             | 0.000          | 0          | 0            | 0  | 0    |
| PL.25502     | PL.9117     | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.28                     | 1.85         | 1        | 14         | 2    | 99      | 0.00       | 0.0               | 3.928             | 0.011          | 0          | 0            | 0  | 2    |
| PD.1554      | PL.25502    | C   | fuse6AMP           | 7.42Y     | 123.7        | 0.00            | 2.28                     | 1.85         | 32       | 14         | 2    | 99      | 0.00       | 0.0               | 3.928             | 0.000          | 0          | 0            | 0  | 2    |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| PL.25503     | PD.1554     | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.28                     | 1.85         | 1        | 14         | 2       | 99         | 0.00      | 0.0               | 3.964                               | 0.036 | 0    | 0          | 0            | 2   |
| PL.24950     | PL.25503    | C   | 4ACSR              | 7.42Y     | 123.7        | 0.00            | 2.28                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.018                               | 0.054 | 0    | 0          | 0            | 1   |
| 472512       | PL.24950    | C   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.28                     | 0.96         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 4.018                               | 0.000 | 7    | 1          | 1            | 1   |
| 472501       | PL.25503    | C   | Consumer           | 7.42Y     | 123.7        | 0.00            | 2.28                     | 0.89         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 3.964                               | 0.000 | 7    | 1          | 1            | 1   |
| PL.25500     | PL.9116     | C   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.08                     | 1.46         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 3.775                               | 0.006 | 0    | 0          | 0            | 2   |
| PD.1553      | PL.25500    | C   | fuse6AMP           | 7.44Y     | 123.9        | 0.00            | 2.08                     | 1.46         | 25       | 11         | 2       | 98         | 0.00      | 0.0               | 3.775                               | 0.000 | 0    | 0          | 0            | 2   |
| PL.25501     | PD.1553     | C   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.08                     | 1.46         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 3.820                               | 0.045 | 0    | 0          | 0            | 2   |
| 472516       | PL.25501    | C   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.08                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.820                               | 0.000 | 5    | 1          | 1            | 1   |
| 472521       | PL.25501    | C   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.08                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 3.820                               | 0.000 | 5    | 1          | 1            | 1   |
| PL.10328     | PL.14914    | C   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.759                               | 0.005 | 0    | 0          | 0            | 1   |
| PD.3056      | PL.10328    | C   | fuse6AMP           | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.30         | 5        | 2          | 0       | 100        | 0.00      | 0.0               | 3.759                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.10329     | PD.3056     | C   | 4ACSR              | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.033                               | 0.273 | 0    | 0          | 0            | 1   |
| 472520       | PL.10329    | C   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 4.033                               | 0.000 | 2    | 0          | 1            | 1   |
| P PL.45658   | PL.10329    | C   | 2ACSR              | 7.44Y     | 123.9        | -0.00           | 2.06                     | -0.05        | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.199                               | 0.166 | 0    | 0          | 0            | 0 P |
| P PD.8672-A  | PL.45658    | C   | Closed             | 7.44Y     | 123.9        | 0.00            | 2.06                     | -0.05        | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.199                               | 0.000 | 0    | 0          | 0            | 0 P |
| P PD.8672-B  | PD.8672-A   | C   | Closed             | 7.44Y     | 123.9        | 0.00            | 2.06                     | -0.05        | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.199                               | 0.000 | 0    | 0          | 0            | 0 P |
| P PL.45659   | PD.8672-B   | C   | 1/0EPRJCN          | 7.44Y     | 123.9        | -0.00           | 2.06                     | -0.05        | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.280                               | 0.081 | 0    | 0          | 0            | 0 P |
| 4725029      | PL.45659    | C   | Consumer           | 7.44Y     | 123.9        | 0.00            | 2.06                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 4.280                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.25498     | PL.8679     | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.96                     | 1.47         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 3.526                               | 0.007 | 0    | 0          | 0            | 2   |
| PD.1556      | PL.25498    | A   | fuse6AMP           | 7.50Y     | 125.0        | 0.00            | 0.96                     | 1.47         | 25       | 11         | 2       | 98         | 0.00      | 0.0               | 3.526                               | 0.000 | 0    | 0          | 0            | 2   |
| PL.25499     | PD.1556     | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.96                     | 1.47         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 3.567                               | 0.041 | 0    | 0          | 0            | 2   |
| 472502       | PL.25499    | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.96                     | 1.42         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 3.567                               | 0.000 | 11   | 2          | 1            | 1   |
| PL.24949     | PL.25499    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.96                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.567                               | 0.000 | 0    | 0          | 0            | 1   |
| PL.28761     | PL.24949    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.96                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.613                               | 0.046 | 0    | 0          | 0            | 1   |
| PL.28762     | PL.28761    | A   | 4ACSR              | 7.50Y     | 125.0        | 0.00            | 0.96                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.613                               | 0.000 | 0    | 0          | 0            | 0   |
| 472510       | PL.28761    | A   | Consumer           | 7.50Y     | 125.0        | 0.00            | 0.96                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.613                               | 0.000 | 0    | 0          | 1            | 1   |
| PL.24096     | PL.8677     | B   | 4ACSR              | 7.48Y     | 124.7        | 0.00            | 1.26                     | 1.07         | 1        | 8          | 1       | 99         | 0.00      | 0.0               | 3.366                               | 0.042 | 0    | 0          | 0            | 1   |
| 472515       | PL.24096    | B   | Consumer           | 7.48Y     | 124.7        | 0.00            | 1.26                     | 1.07         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 3.366                               | 0.000 | 8    | 1          | 1            | 1   |
| PL.10479     | PL.8675     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.76                     | 2.12         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 3.264                               | 0.014 | 0    | 0          | 0            | 5   |
| PD.2430      | PL.10479    | A   | fuse6AMP           | 7.51Y     | 125.2        | 0.00            | 0.76                     | 2.12         | 36       | 16         | 2       | 99         | 0.00      | 0.0               | 3.264                               | 0.000 | 0    | 0          | 0            | 5   |
| PL.10480     | PD.2430     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.01            | 0.77                     | 2.12         | 1        | 16         | 2       | 99         | 0.00      | 0.0               | 3.399                               | 0.135 | 0    | 0          | 0            | 5   |
| PL.3480      | PL.10480    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.77                     | 1.32         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 3.437                               | 0.038 | 0    | 0          | 0            | 1   |
| PL.3479      | PL.3480     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.77                     | 1.32         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 3.442                               | 0.005 | 0    | 0          | 0            | 1   |
| PL.24086     | PL.3479     | A   | 4ACSR              | 7.51Y     | 125.2        | 0.02            | 0.79                     | 1.32         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 3.740                               | 0.298 | 0    | 0          | 0            | 1   |
| PL.39674     | PL.24086    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.79                     | 1.32         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 3.779                               | 0.039 | 0    | 0          | 0            | 1   |
| 4724004      | PL.39674    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.79                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.779                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.45746     | PL.39674    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.79                     | 1.32         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 3.810                               | 0.031 | 0    | 0          | 0            | 1   |
| PL.45747     | PL.45746    | A   | 1/0EPRJCN          | 7.51Y     | 125.2        | 0.00            | 0.80                     | 1.32         | 1        | 10         | 1       | 100        | 0.00      | 0.0               | 3.906                               | 0.096 | 0    | 0          | 0            | 1   |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |     |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|-----|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |     |
| 472401       | PL.45747    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.80                     | 1.32         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 3.906                               | 0.000 | 10   | 2          | 1            | 1   |
| 520303       | PL.10480    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.399                               | 0.000 | 1    | 0          | 1            | 1   |
| 520301       | PL.10480    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.32         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.399                               | 0.000 | 2    | 0          | 1            | 1   |
| PL.45616     | PL.10480    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.40         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.425                               | 0.026 | 0    | 0          | 0            | 2   |
| PL.45617     | PL.45616    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.40         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.467                               | 0.042 | 0    | 0          | 0            | 2   |
| 520302       | PL.45617    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.37         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.467                               | 0.000 | 3    | 0          | 1            | 1   |
| PL.19725     | PL.45617    | A   | 4ACSR              | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.528                               | 0.061 | 0    | 0          | 0            | 1   |
| 521301       | PL.19725    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.528                               | 0.000 | 0    | 0          | 1            | 1   |
| 5203006      | PL.45616    | A   | Consumer           | 7.51Y     | 125.2        | 0.00            | 0.77                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.425                               | 0.000 | 0    | 0          | 0            | 0   |
| 521408       | PL.9069     | C   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.14                     | 0.59         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.109                               | 0.000 | 4    | 1          | 1            | 1   |
| PL.3489      | PL.19628    | A   | 1/0ACSR            | 7.53Y     | 125.6        | 0.00            | 0.43                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.888                               | 0.060 | 0    | 0          | 0            | 0   |
|              |             | B   |                    | 7.53Y     | 125.5        | 0.01            | 0.53                     | 7.21         | 2        | 51         | 18      | 95         |           |                   |                                     |       | 0    | 0          | 0            | 6   |
|              |             | C   |                    | 7.52Y     | 125.3        | -0.00           | 0.72                     | 2.15         | 1        | 16         | 3       | 99         |           |                   |                                     |       | 0    | 0          | 0            | 2   |
| PL.35618     | PL.3489     | C   | 2ACSR              | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.92         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.972                               | 0.083 | 0    | 0          | 0            | 1   |
| 5264001      | PL.35618    | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72                     | 0.92         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.972                               | 0.000 | 7    | 1          | 1            | 1   |
| PL.10040     | PL.3489     | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.54                     | 7.21         | 4        | 51         | 18      | 94         | 0.00      | 0.0               | 2.899                               | 0.011 | 0    | 0          | 0            | 6   |
| PL.10041     | PL.10040    | B   | 4ACSR              | 7.53Y     | 125.5        | 0.00            | 0.54                     | 3.07         | 2        | 23         | 4       | 99         | 0.00      | 0.0               | 2.929                               | 0.030 | 0    | 0          | 0            | 4   |
| 525310       | PL.10041    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54                     | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.929                               | 0.000 | 2    | 0          | 1            | 1   |
| 525311       | PL.10041    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54                     | 1.02         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.929                               | 0.000 | 8    | 1          | 1            | 1   |
| 525316       | PL.10041    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54                     | 1.18         | 0        | 9          | 1       | 99         | 0.00      | 0.0               | 2.929                               | 0.000 | 9    | 1          | 1            | 1   |
| 525306       | PL.10041    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.929                               | 0.000 | 5    | 1          | 1            | 1   |
| 525403       | PL.10040    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54                     | 3.85         | 0        | 26         | 13      | 89         | 0.00      | 0.0               | 2.899                               | 0.000 | 26   | 13         | 1            | 1   |
| 525407       | PL.10040    | B   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.54                     | 0.37         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 2.899                               | 0.000 | 2    | 1          | 1            | 1   |
| PL.3487      | PL.3489     | C   | 4ACSR              | 7.52Y     | 125.3        | 0.00            | 0.72                     | 1.23         | 1        | 9          | 2       | 98         | 0.00      | 0.0               | 2.920                               | 0.031 | 0    | 0          | 0            | 1   |
| 525409       | PL.3487     | C   | Consumer           | 7.52Y     | 125.3        | 0.00            | 0.72                     | 1.23         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 2.920                               | 0.000 | 9    | 2          | 1            | 1   |
| 525305       | PL.19627    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.39         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.736                               | 0.000 | 3    | 0          | 1            | 1   |
| 524313       | PL.19627    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.02         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.736                               | 0.000 | 0    | 0          | 1            | 1   |
| 524311       | PL.19627    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.736                               | 0.000 | 2    | 0          | 1            | 1   |
| 525401       | PL.19627    | C   | Consumer           | 7.53Y     | 125.5        | 0.00            | 0.52                     | 0.79         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.736                               | 0.000 | 6    | 1          | 1            | 1   |
| 525304       | PL.19627    | A   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.31                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.736                               | 0.000 | 0    | 0          | 0            | 0   |
| PL.25090     | PL.9060     | C   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.38                     | 5.62         | 3        | 41         | 9       | 98         | 0.00      | 0.0               | 2.674                               | 0.002 | 0    | 0          | 0            | 3   |
| C PD.2424    | PL.25090    | C   | fuse6AMP           | 7.54Y     | 125.6        | 0.00            | 0.38                     | 5.62         | 96       | 41         | 9       | 98         | 0.00      | 0.0               | 2.674                               | 0.000 | 0    | 0          | 0            | 3 C |
| PL.25790     | PD.2424     | C   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.39                     | 5.62         | 3        | 41         | 9       | 98         | 0.00      | 0.0               | 2.704                               | 0.030 | 0    | 0          | 0            | 3   |
| 524303       | PL.25790    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.92         | 0        | 6          | 3       | 89         | 0.00      | 0.0               | 2.704                               | 0.000 | 6    | 3          | 1            | 1   |
| 524314       | PL.25790    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 3.14         | 0        | 23         | 4       | 99         | 0.00      | 0.0               | 2.704                               | 0.000 | 23   | 4          | 1            | 1   |
| 524310       | PL.25790    | C   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 1.60         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 2.704                               | 0.000 | 12   | 2          | 1            | 1   |
| PL.25791     | PL.9060     | A   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.22                     | 2.08         | 1        | 15         | 5       | 95         | 0.00      | 0.0               | 2.674                               | 0.002 | 0    | 0          | 0            | 10  |
| PD.2423      | PL.25791    | A   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.22                     | 2.08         | 35       | 15         | 5       | 95         | 0.00      | 0.0               | 2.674                               | 0.000 | 0    | 0          | 0            | 10  |
| PL.19863     | PD.2423     | A   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.23                     | 2.08         | 1        | 15         | 5       | 95         | 0.00      | 0.0               | 2.705                               | 0.031 | 0    | 0          | 0            | 10  |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| 524306       | PL.19863    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.21         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.705                               | 0.000 | 2    | 0          | 1            | 1    |
| 524312       | PL.19863    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.27         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.705                               | 0.000 | 2    | 0          | 1            | 1    |
| PL.19864     | PL.19863    | A   | 4ACSR              | 7.55Y     | 125.8        | 0.00            | 0.23                     | 1.60         | 1        | 11         | 4       | 94         | 0.00      | 0.0               | 2.751                               | 0.046 | 0    | 0          | 0            | 8    |
| 525313       | PL.19864    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.751                               | 0.000 | 0    | 0          | 0            | 0    |
| 5252019      | PL.19864    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.751                               | 0.000 | 0    | 0          | 1            | 1    |
| 525315       | PL.19864    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.751                               | 0.000 | 0    | 0          | 1            | 1    |
| 525212       | PL.19864    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.03         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.751                               | 0.000 | 0    | 0          | 1            | 1    |
| 525312       | PL.19864    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.31         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 2.751                               | 0.000 | 2    | 1          | 1            | 1    |
| 525218       | PL.19864    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.24         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 2.751                               | 0.000 | 2    | 1          | 1            | 1    |
| 525206       | PL.19864    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.64         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.751                               | 0.000 | 5    | 1          | 1            | 1    |
| 525209       | PL.19864    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.06         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.751                               | 0.000 | 0    | 0          | 1            | 1    |
| 525205       | PL.19864    | A   | Consumer           | 7.55Y     | 125.8        | 0.00            | 0.23                     | 0.34         | 0        | 2          | 1       | 89         | 0.00      | 0.0               | 2.751                               | 0.000 | 2    | 1          | 1            | 1    |
| PL.19921     | PL.30796    | B   | 4ACSR              | 7.55Y     | 125.8        | 0.01            | 0.19                     | 7.67         | 4        | 57         | 10      | 98         | 0.00      | 0.0               | 2.627                               | 0.018 | 0    | 0          | 0            | 14   |
| C PD.2425    | PL.19921    | B   | fuse6AMP           | 7.55Y     | 125.8        | 0.00            | 0.19                     | 7.67         | 131      | 57         | 10      | 98         | 0.00      | 0.0               | 2.627                               | 0.000 | 0    | 0          | 0            | 14 C |
| PL.19922     | PD.2425     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.06            | 0.26                     | 7.67         | 4        | 57         | 10      | 98         | 0.03      | 0.0               | 2.812                               | 0.184 | 0    | 0          | 0            | 14   |
| PL.20268     | PL.19922    | B   | 4ACSR              | 7.54Y     | 125.7        | 0.04            | 0.30                     | 7.67         | 4        | 57         | 9       | 99         | 0.02      | 0.0               | 2.937                               | 0.126 | 0    | 0          | 0            | 14   |
| PL.20269     | PL.20268    | B   | 4ACSR              | 7.54Y     | 125.7        | 0.03            | 0.32                     | 4.86         | 3        | 36         | 6       | 99         | 0.01      | 0.0               | 3.059                               | 0.122 | 0    | 0          | 0            | 12   |
| PL.25787     | PL.20269    | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.33                     | 3.57         | 2        | 27         | 4       | 99         | 0.00      | 0.0               | 3.074                               | 0.015 | 0    | 0          | 0            | 8    |
| PD.1567      | PL.25787    | B   | fuse6AMP           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 3.57         | 61       | 27         | 4       | 99         | 0.00      | 0.0               | 3.074                               | 0.000 | 0    | 0          | 0            | 8    |
| PL.25788     | PD.1567     | B   | 4ACSR              | 7.54Y     | 125.7        | 0.02            | 0.34                     | 3.57         | 2        | 27         | 4       | 99         | 0.00      | 0.0               | 3.187                               | 0.112 | 0    | 0          | 0            | 8    |
| 473415       | PL.25788    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.34                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.187                               | 0.000 | 2    | 0          | 1            | 1    |
| PL.6814      | PL.25788    | B   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.35                     | 3.26         | 2        | 24         | 4       | 99         | 0.00      | 0.0               | 3.272                               | 0.086 | 0    | 0          | 0            | 7    |
| 473404       | PL.6814     | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.35                     | 0.39         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.272                               | 0.000 | 3    | 0          | 1            | 1    |
| PL.24100     | PL.6814     | B   | 4ACSR              | 7.54Y     | 125.6        | 0.02            | 0.37                     | 2.86         | 1        | 21         | 4       | 98         | 0.00      | 0.0               | 3.419                               | 0.146 | 0    | 0          | 0            | 6    |
| 473405       | PL.24100    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.37                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.419                               | 0.000 | 0    | 0          | 1            | 1    |
| PL.24101     | PL.24100    | B   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.38                     | 2.86         | 1        | 21         | 4       | 98         | 0.00      | 0.0               | 3.516                               | 0.097 | 0    | 0          | 0            | 5    |
| PL.24119     | PL.24101    | B   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.612                               | 0.097 | 0    | 0          | 0            | 2    |
| PL.24120     | PL.24119    | B   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.731                               | 0.118 | 0    | 0          | 0            | 1    |
| 473414       | PL.24120    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.33         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.731                               | 0.000 | 2    | 0          | 1            | 1    |
| 473413       | PL.24119    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.18         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.612                               | 0.000 | 1    | 0          | 1            | 1    |
| PL.7047      | PL.24101    | B   | 4ACSR              | 7.54Y     | 125.6        | 0.00            | 0.39                     | 2.35         | 1        | 17         | 3       | 98         | 0.00      | 0.0               | 3.540                               | 0.024 | 0    | 0          | 0            | 3    |
| 473409       | PL.7047     | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.39                     | 0.80         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 3.540                               | 0.000 | 6    | 1          | 1            | 1    |
| PL.7048      | PL.7047     | B   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.40                     | 1.54         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 3.714                               | 0.174 | 0    | 0          | 0            | 2    |
| 473416       | PL.7048     | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.40                     | 0.09         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.714                               | 0.000 | 1    | 0          | 1            | 1    |
| PL.24121     | PL.7048     | B   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.40                     | 1.45         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 3.806                               | 0.092 | 0    | 0          | 0            | 1    |
| PL.24122     | PL.24121    | B   | 4ACSR              | 7.54Y     | 125.6        | 0.01            | 0.41                     | 1.45         | 1        | 11         | 2       | 98         | 0.00      | 0.0               | 3.903                               | 0.097 | 0    | 0          | 0            | 1    |
| 473417       | PL.24122    | B   | Consumer           | 7.54Y     | 125.6        | 0.00            | 0.41                     | 1.45         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 3.903                               | 0.000 | 11   | 2          | 1            | 1    |
| PL.19426     | PL.20269    | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.33                     | 1.29         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 3.099                               | 0.040 | 0    | 0          | 0            | 4    |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |      |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|------|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |      |
| PL.19427     | PL.19426    | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.33                     | 1.00         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 3.127                               | 0.028 | 0    | 0          | 0            | 3    |
| PL.25393     | PL.19427    | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.43         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 3.246                               | 0.119 | 0    | 0          | 0            | 2    |
| 473412       | PL.25393    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.08         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 3.246                               | 0.000 | 1    | 0          | 1            | 1    |
| 473406       | PL.25393    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.246                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.7050      | PL.25393    | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 3.381                               | 0.135 | 0    | 0          | 0            | 0    |
| PL.24102     | PL.25393    | B   | 4ACSR              | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.408                               | 0.162 | 0    | 0          | 0            | 1    |
| 473401       | PL.24102    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.35         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 3.408                               | 0.000 | 3    | 0          | 1            | 1    |
| 473403       | PL.19427    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.57         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 3.127                               | 0.000 | 4    | 1          | 1            | 1    |
| 473408       | PL.19426    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.33                     | 0.29         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 3.099                               | 0.000 | 2    | 0          | 1            | 1    |
| 473411       | PL.20268    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.30                     | 2.51         | 0        | 19         | 3       | 99         | 0.00      | 0.0               | 2.937                               | 0.000 | 19   | 3          | 1            | 1    |
| 473407       | PL.20268    | B   | Consumer           | 7.54Y     | 125.7        | 0.00            | 0.30                     | 0.30         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.937                               | 0.000 | 2    | 0          | 1            | 1    |
| PL.10400     | PL.10403    | A   | 4ACSR              | 7.26Y     | 121.0        | 0.00            | 5.02                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.470                               | 0.003 | 0    | 0          | 0            | 2    |
| PD.2427      | PL.10400    | A   | fuse6AMP           | 7.26Y     | 121.0        | 0.00            | 5.02                     | 0.94         | 16       | 7          | 1       | 99         | 0.00      | 0.0               | 2.470                               | 0.000 | 0    | 0          | 0            | 2    |
| PL.10401     | PD.2427     | A   | 4ACSR              | 7.26Y     | 121.0        | 0.00            | 5.02                     | 0.94         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.513                               | 0.043 | 0    | 0          | 0            | 2    |
| 525208       | PL.10401    | A   | Consumer           | 7.26Y     | 121.0        | 0.00            | 5.02                     | 0.63         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.513                               | 0.000 | 5    | 1          | 1            | 1    |
| 526203       | PL.10401    | A   | Consumer           | 7.26Y     | 121.0        | 0.00            | 5.02                     | 0.31         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.513                               | 0.000 | 2    | 0          | 1            | 1    |
| PL.30949     | PL.10403    | C   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 6.02                     | 0.34         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.473                               | 0.005 | 0    | 0          | 0            | 1    |
| PD.2433      | PL.30949    | C   | fuse6AMP           | 7.20Y     | 120.0        | 0.00            | 6.02                     | 0.34         | 6        | 2          | 0       | 100        | 0.00      | 0.0               | 2.473                               | 0.000 | 0    | 0          | 0            | 1    |
| PL.30950     | PD.2433     | C   | 4ACSR              | 7.20Y     | 120.0        | 0.00            | 6.03                     | 0.34         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.530                               | 0.056 | 0    | 0          | 0            | 1    |
| 525217       | PL.30950    | C   | Consumer           | 7.20Y     | 120.0        | 0.00            | 6.03                     | 0.34         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.530                               | 0.000 | 2    | 0          | 1            | 1    |
| PL.18668     | PL.8656     | B   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.53                     | 6.59         | 3        | 47         | 8       | 99         | 0.00      | 0.0               | 2.290                               | 0.007 | 0    | 0          | 0            | 11   |
| C PD.2428    | PL.18668    | B   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.53                     | 6.59         | 113      | 47         | 8       | 99         | 0.00      | 0.0               | 2.290                               | 0.000 | 0    | 0          | 0            | 11 C |
| PL.18669     | PD.2428     | B   | 4ACSR              | 7.29Y     | 121.5        | 0.01            | 4.53                     | 6.59         | 3        | 47         | 8       | 99         | 0.00      | 0.0               | 2.319                               | 0.029 | 0    | 0          | 0            | 11   |
| PL.3482      | PL.18669    | B   | 4ACSR              | 7.29Y     | 121.5        | 0.01            | 4.55                     | 2.44         | 1        | 18         | 3       | 99         | 0.00      | 0.0               | 2.444                               | 0.125 | 0    | 0          | 0            | 3    |
| 526204       | PL.3482     | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.55                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.444                               | 0.000 | 0    | 0          | 0            | 0    |
| 526201       | PL.3482     | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.55                     | 0.36         | 0        | 3          | 0       | 100        | 0.00      | 0.0               | 2.444                               | 0.000 | 3    | 0          | 1            | 1    |
| 526207       | PL.3482     | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.55                     | 1.58         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 2.444                               | 0.000 | 11   | 2          | 1            | 1    |
| 526206       | PL.3482     | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.55                     | 0.50         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.444                               | 0.000 | 4    | 1          | 1            | 1    |
| PL.3481      | PL.18669    | B   | 4ACSR              | 7.29Y     | 121.5        | 0.01            | 4.54                     | 4.15         | 2        | 30         | 5       | 99         | 0.00      | 0.0               | 2.350                               | 0.032 | 0    | 0          | 0            | 8    |
| 528202       | PL.3481     | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.54                     | 0.26         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.350                               | 0.000 | 2    | 0          | 1            | 1    |
| 528201       | PL.3481     | B   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.54                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.350                               | 0.000 | 0    | 0          | 0            | 0    |
| PL.3485      | PL.3481     | B   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.54                     | 3.89         | 2        | 28         | 5       | 98         | 0.00      | 0.0               | 2.362                               | 0.012 | 0    | 0          | 0            | 7    |
| PL.3484      | PL.3485     | B   | 4ACSR              | 7.29Y     | 121.4        | 0.01            | 4.55                     | 3.89         | 2        | 28         | 5       | 98         | 0.00      | 0.0               | 2.427                               | 0.065 | 0    | 0          | 0            | 7    |
| 527202       | PL.3484     | B   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.55                     | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.427                               | 0.000 | 2    | 0          | 1            | 1    |
| 527204       | PL.3484     | B   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.55                     | 0.93         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.427                               | 0.000 | 7    | 1          | 1            | 1    |
| 527205       | PL.3484     | B   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.55                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.427                               | 0.000 | 6    | 1          | 1            | 1    |
| PL.7209      | PL.3484     | B   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.55                     | 0.54         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.474                               | 0.047 | 0    | 0          | 0            | 2    |
| PL.7210      | PL.7209     | B   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.55                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.552                               | 0.078 | 0    | 0          | 0            | 1    |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR  | Cons<br>On | Cons<br>Thru |     |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|-------|------------|--------------|-----|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |       |            |              |     |   |
| PL.7207      | PL.7210     | B   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.55                     | 0.00         | 0        | 0          | 0       | 0          | 100       | 0.00              | 0.0                                 | 2.591 | 0.040 | 0          | 0            | 0   | 1 |
| PL.7208      | PL.7207     | B   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.55                     | 0.00         | 0        | 0          | 0       | 0          | 100       | 0.00              | 0.0                                 | 2.591 | 0.000 | 0          | 0            | 0   | 0 |
| 527401       | PL.7207     | B   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.55                     | 0.00         | 0        | 0          | 0       | 0          | 100       | 0.00              | 0.0                                 | 2.591 | 0.000 | 0          | 0            | 1   | 1 |
| 527301       | PL.7209     | B   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.55                     | 0.54         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.474                               | 0.000 | 4     | 1          | 1            | 1   |   |
| PL.3483      | PL.3484     | B   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.55                     | 1.35         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 2.448                               | 0.021 | 0     | 0          | 0            | 2   |   |
| 527203       | PL.3483     | B   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.55                     | 0.61         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 2.448                               | 0.000 | 4     | 1          | 1            | 1   |   |
| 527201       | PL.3483     | B   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.55                     | 0.73         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 2.448                               | 0.000 | 5     | 1          | 1            | 1   |   |
| PL.25083     | PL.197      | A   | 4ACSR              | 7.29Y     | 121.5        | 0.00            | 4.52                     | 7.67         | 4        | 55         | 9       | 99         | 0.00      | 0.0               | 2.132                               | 0.005 | 0     | 0          | 0            | 8   |   |
| C PD.2434    | PL.25083    | A   | fuse6AMP           | 7.29Y     | 121.5        | 0.00            | 4.52                     | 7.67         | 131      | 55         | 9       | 99         | 0.00      | 0.0               | 2.132                               | 0.000 | 0     | 0          | 0            | 8 C |   |
| PL.32785     | PD.2434     | A   | 4ACSR              | 7.29Y     | 121.5        | 0.02            | 4.54                     | 7.67         | 4        | 55         | 9       | 99         | 0.01      | 0.0               | 2.195                               | 0.063 | 0     | 0          | 0            | 8   |   |
| PL.32786     | PL.32785    | A   | 4ACSR              | 7.29Y     | 121.5        | 0.01            | 4.55                     | 6.62         | 3        | 48         | 8       | 99         | 0.00      | 0.0               | 2.242                               | 0.048 | 0     | 0          | 0            | 7   |   |
| 5293001      | PL.32786    | A   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.55                     | 0.91         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 2.242                               | 0.000 | 7     | 1          | 1            | 1   |   |
| 5293002      | PL.32786    | A   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.55                     | 0.83         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.242                               | 0.000 | 6     | 1          | 1            | 1   |   |
| PL.32787     | PL.32786    | A   | 4ACSR              | 7.29Y     | 121.4        | 0.01            | 4.56                     | 4.89         | 3        | 35         | 6       | 99         | 0.00      | 0.0               | 2.286                               | 0.043 | 0     | 0          | 0            | 5   |   |
| 5293004      | PL.32787    | A   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.56                     | 1.44         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 2.286                               | 0.000 | 10    | 2          | 1            | 1   |   |
| 5294001      | PL.32787    | A   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.56                     | 1.13         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.286                               | 0.000 | 8     | 1          | 1            | 1   |   |
| PL.36679     | PL.32787    | A   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.56                     | 2.32         | 1        | 17         | 3       | 98         | 0.00      | 0.0               | 2.328                               | 0.042 | 0     | 0          | 0            | 3   |   |
| 5294003      | PL.36679    | A   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.56                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.328                               | 0.000 | 0     | 0          | 1            | 1   |   |
| 5294002      | PL.36679    | A   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.56                     | 1.48         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 2.328                               | 0.000 | 11    | 2          | 1            | 1   |   |
| PL.44634     | PL.36679    | A   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.56                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.372                               | 0.044 | 0     | 0          | 0            | 1   |   |
| PL.44635     | PL.44634    | A   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.57                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.374                               | 0.003 | 0     | 0          | 0            | 1   |   |
| PD.182-A     | PL.44635    | A   | Closed             | 7.29Y     | 121.4        | 0.00            | 4.57                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.374                               | 0.000 | 0     | 0          | 0            | 1   |   |
| PD.182-B     | PD.182-A    | A   | Closed             | 7.29Y     | 121.4        | 0.00            | 4.57                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.374                               | 0.000 | 0     | 0          | 0            | 1   |   |
| PL.25087     | PD.182-B    | A   | 4ACSR              | 7.29Y     | 121.4        | 0.00            | 4.57                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.392                               | 0.018 | 0     | 0          | 0            | 1   |   |
| 529502       | PL.25087    | A   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.57                     | 0.84         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 2.392                               | 0.000 | 6     | 1          | 1            | 1   |   |
| 5294004      | PL.44634    | A   | Consumer           | 7.29Y     | 121.4        | 0.00            | 4.56                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.372                               | 0.000 | 0     | 0          | 0            | 0   |   |
| 5293003      | PL.32785    | A   | Consumer           | 7.29Y     | 121.5        | 0.00            | 4.54                     | 1.05         | 0        | 8          | 1       | 99         | 0.00      | 0.0               | 2.195                               | 0.000 | 8     | 1          | 1            | 1   |   |
| PL.198       | PL.9054     | A   | 1/0ACSR            | 7.30Y     | 121.6        | 0.00            | 4.41                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.065                               | 0.000 | 0     | 0          | 0            | 0   |   |
|              |             | B   |                    | 7.31Y     | 121.9        | 0.00            | 4.09                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0     | 0          | 0            | 0   |   |
|              |             | C   |                    | 7.25Y     | 120.9        | 0.00            | 5.10                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0     | 0          | 0            | 0   |   |
| PL.25084     | PL.9208     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.52                     | 5.51         | 3        | 40         | 7       | 99         | 0.00      | 0.0               | 1.759                               | 0.009 | 0     | 0          | 0            | 4   |   |
| C PD.1561    | PL.25084    | B   | fuse6AMP           | 7.35Y     | 122.5        | 0.00            | 3.52                     | 5.51         | 94       | 40         | 7       | 99         | 0.00      | 0.0               | 1.759                               | 0.000 | 0     | 0          | 0            | 4 C |   |
| PL.25085     | PD.1561     | B   | 4ACSR              | 7.35Y     | 122.5        | 0.00            | 3.53                     | 5.51         | 3        | 40         | 7       | 99         | 0.00      | 0.0               | 1.778                               | 0.019 | 0     | 0          | 0            | 4   |   |
| PL.7046      | PL.25085    | B   | 4ACSR              | 7.35Y     | 122.5        | 0.02            | 3.55                     | 5.51         | 3        | 40         | 7       | 99         | 0.01      | 0.0               | 1.859                               | 0.081 | 0     | 0          | 0            | 4   |   |
| PL.24112     | PL.7046     | B   | 4ACSR              | 7.35Y     | 122.4        | 0.02            | 3.57                     | 5.51         | 3        | 40         | 7       | 99         | 0.01      | 0.0               | 1.930                               | 0.072 | 0     | 0          | 0            | 4   |   |
| PL.24113     | PL.24112    | B   | 4ACSR              | 7.35Y     | 122.4        | 0.01            | 3.57                     | 1.39         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 2.022                               | 0.091 | 0     | 0          | 0            | 1   |   |
| PL.24115     | PL.24113    | B   | 4ACSR              | 7.35Y     | 122.4        | 0.00            | 3.57                     | 1.39         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 2.080                               | 0.058 | 0     | 0          | 0            | 1   |   |
| PL.9204      | PL.24115    | B   | 4ACSR              | 7.35Y     | 122.4        | 0.00            | 3.58                     | 1.39         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 2.095                               | 0.016 | 0     | 0          | 0            | 1   |   |
| PL.9205      | PL.9204     | B   | 4ACSR              | 7.35Y     | 122.4        | 0.00            | 3.58                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.124                               | 0.029 | 0     | 0          | 0            | 0   |   |

Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.9207      | PL.9204     | B   | 4ACSR              | 7.35Y     | 122.4        | 0.01            | 3.58                     | 1.39         | 1        | 10         | 2       | 98         | 0.00      | 0.0               | 2.200                               | 0.104 | 0    | 0          | 0            | 1 |
| 474518       | PL.9207     | B   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.58                     | 1.39         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 2.200                               | 0.000 | 10   | 2          | 1            | 1 |
| PL.9206      | PL.9204     | B   | 4ACSR              | 7.35Y     | 122.4        | 0.00            | 3.58                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.095                               | 0.000 | 0    | 0          | 0            | 0 |
| 4745022      | PL.24113    | B   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.57                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.022                               | 0.000 | 0    | 0          | 0            | 0 |
| PL.24114     | PL.24112    | B   | 4ACSR              | 7.35Y     | 122.4        | 0.01            | 3.58                     | 4.13         | 2        | 30         | 5       | 99         | 0.00      | 0.0               | 2.008                               | 0.078 | 0    | 0          | 0            | 3 |
| PL.24116     | PL.24114    | B   | 4ACSR              | 7.34Y     | 122.4        | 0.01            | 3.58                     | 2.61         | 1        | 19         | 3       | 99         | 0.00      | 0.0               | 2.058                               | 0.050 | 0    | 0          | 0            | 1 |
| 474517       | PL.24116    | B   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.58                     | 2.61         | 0        | 19         | 3       | 99         | 0.00      | 0.0               | 2.058                               | 0.000 | 19   | 3          | 1            | 1 |
| 474512       | PL.24114    | B   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.58                     | 0.25         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 2.008                               | 0.000 | 2    | 0          | 1            | 1 |
| 474511       | PL.24114    | B   | Consumer           | 7.35Y     | 122.4        | 0.00            | 3.58                     | 1.26         | 0        | 9          | 2       | 98         | 0.00      | 0.0               | 2.008                               | 0.000 | 9    | 2          | 1            | 1 |
| PL.9186      | PL.9209     | A   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.60                     | 0.97         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 1.680                               | 0.006 | 0    | 0          | 0            | 3 |
| PD.1562      | PL.9186     | A   | fuse6AMP           | 7.34Y     | 122.4        | 0.00            | 3.60                     | 0.97         | 17       | 7          | 1       | 99         | 0.00      | 0.0               | 1.680                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.9187      | PD.1562     | A   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.60                     | 0.97         | 1        | 7          | 1       | 99         | 0.00      | 0.0               | 1.745                               | 0.065 | 0    | 0          | 0            | 3 |
| PL.24111     | PL.9187     | A   | 4ACSR              | 7.34Y     | 122.4        | 0.00            | 3.60                     | 0.52         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 1.799                               | 0.054 | 0    | 0          | 0            | 2 |
| 474515       | PL.24111    | A   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.60                     | 0.28         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.799                               | 0.000 | 2    | 0          | 1            | 1 |
| 474521       | PL.24111    | A   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.60                     | 0.24         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.799                               | 0.000 | 2    | 0          | 1            | 1 |
| 474501       | PL.9187     | A   | Consumer           | 7.34Y     | 122.4        | 0.00            | 3.60                     | 0.46         | 0        | 3          | 1       | 95         | 0.00      | 0.0               | 1.745                               | 0.000 | 3    | 1          | 1            | 1 |
| 474508       | PL.6799     | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.90                     | 1.66         | 0        | 12         | 2       | 99         | 0.00      | 0.0               | 1.425                               | 0.000 | 12   | 2          | 1            | 1 |
| 474520       | PL.6799     | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.90                     | 0.05         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.425                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.9190      | PL.6799     | B   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.90                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.431                               | 0.007 | 0    | 0          | 0            | 1 |
| PD.1565      | PL.9190     | B   | fuse6AMP           | 7.39Y     | 123.1        | 0.00            | 2.90                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.431                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.33133     | PD.1565     | B   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.90                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.439                               | 0.007 | 0    | 0          | 0            | 1 |
| PD.3959      | PL.33133    | B   | fuse6AMP           | 7.39Y     | 123.1        | 0.00            | 2.90                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.439                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.33134     | PD.3959     | B   | 4ACSR              | 7.39Y     | 123.1        | 0.00            | 2.90                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.543                               | 0.104 | 0    | 0          | 0            | 1 |
| 474509       | PL.33134    | B   | Consumer           | 7.39Y     | 123.1        | 0.00            | 2.90                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.543                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.9192      | PL.9803     | C   | 4ACSR              | 7.38Y     | 122.9        | 0.01            | 3.07                     | 1.77         | 1        | 13         | 2       | 99         | 0.00      | 0.0               | 1.326                               | 0.104 | 0    | 0          | 0            | 2 |
| PL.24848     | PL.9192     | C   | 4ACSR              | 7.38Y     | 122.9        | 0.00            | 3.07                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.355                               | 0.028 | 0    | 0          | 0            | 1 |
| PD.426-A     | PL.24848    | C   | Closed             | 7.38Y     | 122.9        | 0.00            | 3.07                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.355                               | 0.000 | 0    | 0          | 0            | 1 |
| PD.426-B     | PD.426-A    | C   | Closed             | 7.38Y     | 122.9        | 0.00            | 3.07                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.355                               | 0.000 | 0    | 0          | 0            | 1 |
| PL.24849     | PD.426-B    | C   | 4ACSR              | 7.38Y     | 122.9        | 0.00            | 3.07                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.418                               | 0.063 | 0    | 0          | 0            | 1 |
| PL.6796      | PL.24849    | C   | 4ACSR              | 7.38Y     | 122.9        | 0.00            | 3.07                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.532                               | 0.114 | 0    | 0          | 0            | 1 |
| 474411       | PL.6796     | C   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.07                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.532                               | 0.000 | 0    | 0          | 1            | 1 |
| PL.6797      | PL.6796     | C   | 4ACSR              | 7.38Y     | 122.9        | 0.00            | 3.07                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 1.994                               | 0.462 | 0    | 0          | 0            | 0 |
| PL.24104     | PL.6797     | C   | 4ACSR              | 7.38Y     | 122.9        | 0.00            | 3.07                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 2.099                               | 0.105 | 0    | 0          | 0            | 0 |
| 474413       | PL.9192     | C   | Consumer           | 7.38Y     | 122.9        | 0.00            | 3.07                     | 1.77         | 0        | 13         | 2       | 99         | 0.00      | 0.0               | 1.326                               | 0.000 | 13   | 2          | 1            | 1 |
| PL.24854     | PL.9799     | B   | 4ACSR              | 7.45Y     | 124.2        | 0.00            | 1.80                     | 4.54         | 2        | 33         | 6       | 98         | 0.00      | 0.0               | 0.877                               | 0.018 | 0    | 0          | 0            | 4 |
| PD.1576      | PL.24854    | B   | fuse6AMP           | 7.45Y     | 124.2        | 0.00            | 1.80                     | 4.54         | 78       | 33         | 6       | 98         | 0.00      | 0.0               | 0.877                               | 0.000 | 0    | 0          | 0            | 4 |
| PL.24855     | PD.1576     | B   | 4ACSR              | 7.45Y     | 124.2        | 0.03            | 1.83                     | 4.54         | 2        | 33         | 6       | 98         | 0.01      | 0.0               | 1.023                               | 0.146 | 0    | 0          | 0            | 4 |
| PL.3046      | PL.24855    | B   | 4ACSR              | 7.45Y     | 124.1        | 0.03            | 1.86                     | 3.17         | 2        | 23         | 4       | 99         | 0.00      | 0.0               | 1.208                               | 0.185 | 0    | 0          | 0            | 3 |



Unbalanced Voltage Drop Report  
Source: VAN METER

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\PROPOSED WINTER 06-10 CWP.WM\  
Title:  
Case:

| Element Name | Parent Name | Cnf | Type/<br>Conductor | Pri<br>kV | Base<br>Volt | Element<br>Drop | Units Displayed In Volts |              |          |            |         |            |           | mi<br>From<br>Src | -----Element-----<br>Length<br>(mi) | KW    | KVAR | Cons<br>On | Cons<br>Thru |   |
|--------------|-------------|-----|--------------------|-----------|--------------|-----------------|--------------------------|--------------|----------|------------|---------|------------|-----------|-------------------|-------------------------------------|-------|------|------------|--------------|---|
|              |             |     |                    |           |              |                 | Accum<br>Drop            | Thru<br>Amps | %<br>Cap | Thru<br>KW | %<br>PF | kW<br>Loss | %<br>Loss |                   |                                     |       |      |            |              |   |
| PL.3048      | PL.3046     | B   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.86                     | 0.89         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.237                               | 0.029 | 0    | 0          | 0            | 2 |
| PL.9804      | PL.3048     | B   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.86                     | 0.89         | 0        | 7          | 1       | 99         | 0.00      | 0.0               | 1.257                               | 0.020 | 0    | 0          | 0            | 2 |
| PL.9805      | PL.9804     | B   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.86                     | 0.66         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.296                               | 0.039 | 0    | 0          | 0            | 1 |
| 474407       | PL.9805     | B   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.86                     | 0.66         | 0        | 5          | 1       | 98         | 0.00      | 0.0               | 1.296                               | 0.000 | 5    | 1          | 1            | 1 |
| PL.24105     | PL.9804     | B   | 4ACSR              | 7.45Y     | 124.1        | 0.00            | 1.86                     | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.308                               | 0.051 | 0    | 0          | 0            | 1 |
| 474409       | PL.24105    | B   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.86                     | 0.23         | 0        | 2          | 0       | 100        | 0.00      | 0.0               | 1.308                               | 0.000 | 2    | 0          | 1            | 1 |
| 475409       | PL.3046     | B   | Consumer           | 7.45Y     | 124.1        | 0.00            | 1.86                     | 2.28         | 0        | 17         | 3       | 98         | 0.00      | 0.0               | 1.208                               | 0.000 | 17   | 3          | 1            | 1 |
| 475402       | PL.24855    | B   | Consumer           | 7.45Y     | 124.2        | 0.00            | 1.83                     | 1.37         | 0        | 10         | 2       | 98         | 0.00      | 0.0               | 1.023                               | 0.000 | 10   | 2          | 1            | 1 |
| PL.24856     | PL.8494     | C   | 4ACSR              | 7.47Y     | 124.6        | 0.00            | 1.42                     | 2.19         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 0.563                               | 0.010 | 0    | 0          | 0            | 3 |
| PD.1578      | PL.24856    | C   | fuse6AMP           | 7.47Y     | 124.6        | 0.00            | 1.42                     | 2.19         | 37       | 16         | 3       | 98         | 0.00      | 0.0               | 0.563                               | 0.000 | 0    | 0          | 0            | 3 |
| PL.24857     | PD.1578     | C   | 4ACSR              | 7.47Y     | 124.6        | 0.01            | 1.43                     | 2.19         | 1        | 16         | 3       | 98         | 0.00      | 0.0               | 0.662                               | 0.099 | 0    | 0          | 0            | 3 |
| PL.6622      | PL.24857    | C   | 4ACSR              | 7.47Y     | 124.6        | 0.01            | 1.44                     | 1.63         | 1        | 12         | 2       | 99         | 0.00      | 0.0               | 0.858                               | 0.196 | 0    | 0          | 0            | 2 |
| 475410       | PL.6622     | C   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.44                     | 1.53         | 0        | 11         | 2       | 98         | 0.00      | 0.0               | 0.858                               | 0.000 | 11   | 2          | 1            | 1 |
| PL.6623      | PL.6622     | C   | 4ACSR              | 7.47Y     | 124.6        | 0.00            | 1.44                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.987                               | 0.129 | 0    | 0          | 0            | 1 |
| 475401       | PL.6623     | C   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.44                     | 0.10         | 0        | 1          | 0       | 100        | 0.00      | 0.0               | 0.987                               | 0.000 | 1    | 0          | 1            | 1 |
| 475403       | PL.24857    | C   | Consumer           | 7.47Y     | 124.6        | 0.00            | 1.43                     | 0.56         | 0        | 4          | 1       | 97         | 0.00      | 0.0               | 0.662                               | 0.000 | 4    | 1          | 1            | 1 |
| PL.9193      | PL.9238     | C   | 4ACSR              | 7.49Y     | 124.9        | 0.00            | 1.12                     | 2.73         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 0.441                               | 0.005 | 0    | 0          | 0            | 2 |
| PD.1679      | PL.9193     | C   | fuse6AMP           | 7.49Y     | 124.9        | 0.00            | 1.12                     | 2.73         | 47       | 20         | 3       | 99         | 0.00      | 0.0               | 0.441                               | 0.000 | 0    | 0          | 0            | 2 |
| PL.24847     | PD.1679     | C   | 4ACSR              | 7.49Y     | 124.9        | 0.00            | 1.13                     | 2.73         | 1        | 20         | 3       | 99         | 0.00      | 0.0               | 0.477                               | 0.037 | 0    | 0          | 0            | 2 |
| 475549       | PL.24847    | C   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.13                     | 0.85         | 0        | 6          | 1       | 99         | 0.00      | 0.0               | 0.477                               | 0.000 | 6    | 1          | 1            | 1 |
| 475548       | PL.24847    | C   | Consumer           | 7.49Y     | 124.9        | 0.00            | 1.13                     | 1.88         | 0        | 14         | 2       | 99         | 0.00      | 0.0               | 0.477                               | 0.000 | 14   | 2          | 1            | 1 |
| PL.9240      | PL.32887    | A   | 1/0ACSR            | 7.51Y     | 125.2        | 0.00            | 0.75                     | 0.00         | 0        | 0          | 0       | 100        | 0.00      | 0.0               | 0.361                               | 0.010 | 0    | 0          | 0            | 0 |
|              |             | B   |                    | 7.52Y     | 125.3        | 0.00            | 0.74                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0 |
|              |             | C   |                    | 7.51Y     | 125.1        | 0.00            | 0.91                     | 0.00         | 0        | 0          | 0       | 100        |           |                   |                                     |       | 0    | 0          | 0            | 0 |

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

|      | Load | Adjustment | Capacitance | Charging | Gen&Motors | Loops&Metas | Losses | No Load | Losses | Total |
|------|------|------------|-------------|----------|------------|-------------|--------|---------|--------|-------|
| KW   | 3484 | 0          | 0           | 0        | 0          | 0           | 173    |         | 0.00   | 3657  |
| KVAR | 725  | 0          | -156        | -2       | 0          | 0           | 168    |         |        | 736   |

| Lowest Voltage                      | Highest Accumulated Voltage Drop | Highest Element Voltage Drop |
|-------------------------------------|----------------------------------|------------------------------|
| A-Phase -> 120.93 volts on PL.10333 | 5.07 volts on PL.10333           | 0.69 volts on PL.32887       |
| B-Phase -> 118.54 volts on PL.25074 | 7.46 volts on PL.25074           | 0.73 volts on PL.15016       |
| C-Phase -> 118.19 volts on PL.6578  | 7.81 volts on PL.6578            | 0.83 volts on PL.32887       |