

KY 49
2006-2010
Construction Work Plan

Clark Energy Cooperative, Inc.
Winchester, Kentucky



July 2006



June 2006

2006-2010 Construction Workplan (CWP)

Paul Embs, President and CEO
Clark Energy Cooperative, Inc.

I have completed my review of the cooperative's 2006-2010 CWP, which was prepared by R.W. Beck, and find it to be generally satisfactory for loan contract purposes. Approval to proceed with the proposed distribution system construction is contingent upon RUS's review and approval of an Environmental Report (reference 7 CFR 1794).

Headquarters, SCADA, and load management projects will be reviewed/approved by the Northern Regional Division office, as necessary. This action will be taken after their receipt of the CWP and other supporting documents (i.e., appropriate feasibility and engineering studies).

You should make a special effort to inform all of the cooperative's employees and contractors, involved in the construction of utility plant of any commitments made in the Environmental Report covering the construction of the facilities recommended in the CWP.

Changes (line improvements, tie lines, extensions, substations, etc.) in the CWP will require RUS approval. The environmental acceptability of any such changes shall also be established in accordance with 7 CFR 1794. The procedure for satisfying these environmental requirements shall be the same as that used in connection with this CWP approval.

It is your responsibility to determine whether or not loan funds and/or general funds are available for the proposed construction. If general funds are used, the requirements as outlined in 7 CFR 1717 need to be followed.

The construction shall be accomplished in accordance with RUS requirements. Specific reference should be made to 7 CFR 1726, Electric System Construction Policies and Procedures.

Mike Norman

Mike Norman
RUS Field Representative



**United States Department of Agriculture
Rural Development**

AUG 29 2006

Mr. Paul G. Embs
President and CEO
Clark Energy Cooperative, Inc.
P.O. Box 748
Winchester, Kentucky 40392

Dear Mr. Embs:

We have reviewed the Environmental Report (ER) covering all the facilities recommended in your 2006-2010 Construction Work Plan (CWP). The ER is complete and complies with all requirements of 7 CFR Part 1794, Environmental Policies and Procedures. RUS has determined that the projects proposed in your CWP are categorical exclusions and no further environmental documentation unless the projects change from those described in the ER.

Clark Energy Cooperative, Inc., is responsible for ensuring that any environmental commitments made in the ER are fulfilled in the construction of the projects whether by construction contract or by force account labor.

Thank you for your assistance and cooperation in helping us fulfill RUS' environmental review requirements. If you have any questions, please contact me at (202) 720-1994.

Sincerely,

A handwritten signature in black ink, appearing to read "Charles M. Philpott". The signature is fluid and cursive, written over a white background.

CHARLES M. PHILPOTT
Chief, Engineering Branch
Northern Regional Division
USDA Rural Development-Utilities Programs

1400 Independence Ave, S.W. · Washington DC 20250-0700
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CLARK ENERGY COOPERATIVE, INC.

RESOLUTION NO. 2006-4

A RESOLUTION OF THE BOARD OF DIRECTORS OF CLARK ENERGY COOPERATIVE, INC. APPROVING A FOUR YEAR CONSTRUCTION WORK PLAN IN THE AMOUNT OF \$16,283,900 FOR THE PERIOD AUGUST 1, 2006 TO JULY 31, 2010 AS PREPARED BY TODD PEYTON, MANAGER OF ENGINEERING SERVICES AND R. W. BECK AND ASSOCIATES

WHEREAS, Todd Peyton, Manager of Engineering Services and R. W. Beck and Associates have prepared a four (4) year construction work plan for Clark Energy Cooperative, Inc. covering the period from August 1, 2006 to July 31, 2010; and

WHEREAS, the Board of Directors of Clark Energy Cooperative, Inc. having reviewed the work plan as prepared by Todd Peyton, Manager of Engineering Services and R. W. Beck and Associates and deems it in the best interest of the Cooperative to approve same,

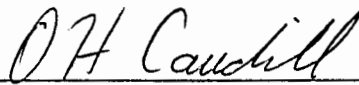
NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of Clark Energy Cooperative, Inc. that the four (4) year construction work plan presented to the Board of Directors of Clark Energy Cooperative, Inc. as prepared by Todd Peyton, Manager of Engineering Services and R. W. Beck and Associates in the amount of \$16,283,900 for the period from August 1, 2006 to July 31, 2010, be, and the same is hereby approved as a plan of action to be followed until and unless amended with the approval of RUS.

Introduced upon motion made by Director MEANS,
seconded by Director Russell, and passed by unanimous vote
of the Board of Directors of Clark Energy Cooperative, Inc., in duly
session assembled, this 25th day of July, 2006.



CHAIRMAN OF THE BOARD

ATTEST:



SECRETARY

July 13, 2006



Mr. Todd Peyton
Manager of Engineering
Clark Energy Cooperative, Inc.
2640 Ironworks Road
Winchester, KY 40392-0748

Subject: 2006-2010 Construction Work Plan

Dear Mr. Peyton:

We have completed our work in connection with the preparation of the 2006-2010 Construction Work Plan for Clark Energy Cooperative, Inc. (Clark Energy). The Executive Summary summarizes the results of our studies and sets forth our conclusions and opinions. The data, information, and results of the analysis, which support our conclusions and opinions, are described in detail in subsequent sections of the Report.

We wish to acknowledge the cooperation and assistance received from the management and staff of Clark Energy in the conduct of our studies and the preparation of the Report. We look forward to future opportunities to provide Clark Energy with engineering and consulting services.

Respectfully Submitted,

R.W. BECK, INC.

A handwritten signature in blue ink that reads 'Keith Mullen'.

Keith Mullen, P.E.
Project Manager

Clark Energy Cooperative, Inc. (KY 49)

Winchester, Kentucky

CONSTRUCTION WORK PLAN

I hereby certify that this 2006-2010 Construction Work Plan was prepared under my direct supervision and that I am a duly registered professional engineer under the laws of the State of Kentucky.



Keith Mullen, P.E.
Project Manager

Date: 2006 JULY 13



CLARK ENERGY COOPERATIVE, INC. CONSTRUCTION WORK PLAN

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This report has been prepared for the use of the client for the specific purposes identified in the report. The conclusions, observations and recommendations contained herein attributed to R. W. Beck, Inc. (R. W. Beck) constitute the opinions of R. W. Beck. To the extent that statements, information and opinions provided by the client or others have been used in the preparation of this report, R. W. Beck has relied upon the same to be accurate, and for which no assurances are intended and no representations or warranties are made. R. W. Beck makes no certification and gives no assurances except as explicitly set forth in this report.

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**Kentucky 49
Clark Energy Cooperative, Inc.
2006-2010 Construction Work Plan**

740C DETAIL

NEW CONSTRUCTION (Code 100)

Project Code	General Description	Quantity	Miles	2006-07	2007-08	2008-09	2009-10	Estimated Cost
101	New Underground Lines		42.0	\$657,943	\$677,682	\$698,012	\$718,953	\$2,752,590
102	New Overhead Lines		109.7	\$1,190,604	\$1,226,322	\$1,263,112	\$1,301,005	\$4,981,043
100 TOTAL NEW CONSTRUCTION			151.7	\$1,848,547	\$1,904,004	\$1,961,124	\$2,019,958	\$7,733,633

DISTRIBUTION LINE CONVERSIONS (Code 300)

RUS Code	General Description	Miles	2006-07	2007-08	2008-09	2009-10	Estimated Cost
	Bowen - Circuit 1 Transfer single phase taps.		\$0				\$0
	Bowen - Circuit 3 Switching		\$0				\$0
324 <i>Carry-Over</i>	Clay City - Circuit 2 Reconductor and multi-phase to three-phase 336 ACSR	1.65	\$140,600				\$140,600
342	Clay City - Circuit 2 Reconductor to double circuit 336 ACSR Reconductor to three-phase 336 ACSR Switching and single-phase tap transfers	0.42 0.87	\$127,500				\$127,500
	Clay City - Circuit 2 Switching			\$0			\$0
344	Clay City - Circuits 1 and 2 Reconductor to double circuit 336 ACSR Reconductor to three-phase 336 ACSR Switching and single-phase tap transfers	0.33 0.63	\$95,400				\$95,400
345	Clay City - Circuit 4 Reconductor and multi-phase to three-phase 336 ACSR Transfer single phase taps.	0.46		\$40,700			\$40,700
	Frenchburg - Circuit 1 Switching and single-phase tap transfers		\$0				\$0
347	Frenchburg - Circuit 1 Reconductor to three-phase 336 ACSR	0.61			\$54,800		\$54,800
348	Frenchburg - Circuit 2 Reconductor and multi-phase to V-phase 1/0 ACSR Transfer single phase taps.	1.22			\$94,900		\$94,900
374	Frenchburg - Circuit 3 Reconductor to three-phase 1/0 ACSR	1.12		\$84,100			\$84,100
349	Frenchburg - Circuit 3 Reconductor to three-phase 336 ACSR Transfer single phase taps.	1.38	\$117,800				\$117,800

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Clark Energy Cooperative, Inc.
2006-2010 Construction Work Plan

740C DETAIL

DISTRIBUTION LINE CONVERSIONS (Code 300)

RUS Code	General Description	Miles	2006-07	2007-08	2008-09	2009-10	Estimated Cost
350	Frenchburg - Circuit 4 Relocate auto-transformer Convert from 7.2 kV to 14.4 kV (single-phase)	4.94	\$44,000				\$44,000
	Hardwick's Creek - Circuit 2 Switching		\$0				\$0
	Hardwick's Creek - Circuit 2 Transfer single-phase taps			\$0			\$0
352	Hardwick's Creek - Circuit 2 Multi-phase to three-phase 2 ACSR Transfer single phase taps.	0.97		\$67,700			\$67,700
	Hardwick's Creek - Circuit 3 Transfer single-phase taps		\$0				\$0
354	Hinkston - Circuit 2 Reconductor and multi-phase to three-phase 1/0 ACSR Transfer single phase taps.	0.81	\$59,500				\$59,500
355	Hinkston - Circuit 3 Reconductor and multi-phase to three-phase 1/0 ACSR Transfer single phase taps.	1.53				\$122,500	\$122,500
	Jeffersonville - Circuit 2 Switching		\$0				\$0
	Mariba - Circuit 3 Transfer single-phase taps		\$0				\$0
305	Miller Hunt - Circuit 2 <i>Carry-Over</i> Reconductor and multi-phase to three-phase 1/0 ACSR Switching	2.56	\$186,900				\$186,900
358	Mt. Sterling - Circuit 2 Reconductor and multi-phase to three-phase 1/0 ACSR Transfer single phase taps.	0.36		\$27,100			\$27,100
360	Reid Village - Circuit 1 Reconductor to three-phase 336 ACSR Transfer single phase taps.	2.39	\$203,300				\$203,300
	Reid Village - Circuit 2 Transfer single-phase taps		\$0				\$0
362	Sideview - Circuit 1 Reconductor and multi-phase to three-phase 1/0 ACSR Transfer single phase taps.	2.72		\$204,500			\$204,500
	Sideview - Circuit 3 Switching	2.72		\$0			\$0

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740C DETAIL

DISTRIBUTION LINE CONVERSIONS (Code 300)

RUS Code	General Description	Miles	2006-07	2007-08	2008-09	2009-10	Estimated Cost
364	Sideview - Circuit 4 Reconductor and multi-phase to three-phase 1/0 ACSR Transfer single phase taps.	2.67		\$201,100			\$201,100
365	Stanton - Circuit 2 Reconductor to three-phase 336 ACSR Transfer single phase taps.	0.19	\$16,100				\$16,100
366	Stanton - Circuit 3 Reconductor to three-phase 336 ACSR Transfer single phase taps.	0.38	\$32,300				\$32,300
367	Stanton - Circuit 4 Reconductor and multi-phase to 336 ACSR Transfer single phase taps.	0.61		\$53,200			\$53,200
368	Stanton - Circuit 4 Add a circuit to existing 336 ACSR feeder Switching and transfer single phase taps.	0.72	\$122,600				\$122,600
369	Trapp - Circuit 2 Reconductor and multi-phase to three-phase 1/0 ACSR Transfer single phase taps.	0.31		\$23,500			\$23,500
	Treehaven - Circuit 2 Transfer single phase taps.		\$0				\$0
371	Union City - Circuit 2 Multi-phase to three-phase 1/0 ACSR Transfer single phase taps.	1.99	\$145,400				\$145,400
	Van Meter - Circuit 3 Switching and transfer single-phase taps.		\$0				\$0
300	TOTAL DISTRIBUTION LINE CHANGES	34.54	\$1,291,400	\$701,900	\$149,700	\$122,500	\$2,265,500

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740C DETAIL

MISCELLANEOUS DISTRIBUTION ITEMS (Code 600)

RUS Code	General Description	Quantity	2006-07	2007-08	2008-09	2009-10	Estimated Cost
601	METERS FOR NEW MEMBERS						
	Underground	896	\$31,360	\$32,256	\$33,376	\$34,272	\$131,264
	Overhead	1,716	\$60,060	\$61,776	\$63,921	\$65,637	\$251,394
	COST OF METERS FOR NEW MEMBERS	2,612	\$91,420	\$94,032	\$97,297	\$99,909	\$382,658
601	METER REPLACEMENTS						
	Underground & Overhead	4,000	\$67,000	\$69,000	\$71,000	\$73,000	\$280,000
	COST OF METER REPLACEMENTS	4,000	\$67,000	\$69,000	\$71,000	\$73,000	\$280,000
601	TRANSFORMERS FOR NEW MEMBERS						
	Padmounted	296	\$91,982	\$94,794	\$97,606	\$100,492	\$384,874
	Overhead	1,252	\$133,338	\$137,407	\$141,476	\$145,858	\$558,079
	COST OF TRANSFORMERS FOR NEW MEMBERS	1,548	\$225,320	\$232,201	\$239,082	\$246,350	\$942,953
601	TRANSFORMER REPLACEMENTS						
	Underground & Overhead	34	\$3,400	\$3,504	\$4,059	\$4,185	\$15,148
	COST OF TRANSFORMER REPLACEMENTS	34	\$3,400	\$3,504	\$4,059	\$4,185	\$15,148
601	TOTAL TRANSFORMERS & METERS		\$387,140	\$398,737	\$411,438	\$423,444	\$1,620,759
602	SERVICE UPGRADES FOR EXISTING MEMBERS	513	\$172,200	\$181,692	\$193,050	\$205,020	\$751,962
603	SECTIONALIZING EQUIPMENT		\$113,800	\$118,600	\$43,200	\$7,400	\$283,000
603-01	Clay City - Circuit 2 Remove two reclosers		\$5,000				\$5,000
603-02	Clay City - Circuit 2 Replace (2) reclosers with single-phase 70V4E reclosers			\$12,200			\$12,200
603-04	Clay City - Circuit 4 Replace (3) reclosers with single-phase 70V4E reclosers			\$17,300			\$17,300
603-04	Frenchburg - Circuit 1 Install (3) single-phase 50L reclosers		\$9,300				\$9,300
603-05	Frenchburg - Circuit 2 Install (2) single-phase 50 V4E reclosers Remove recloser Relocate recloser Install (1) three-phase VWVE recloser				\$43,200		\$43,200
603-06	Frenchburg - Circuit 3 Install (3) single-phase 70L reclosers Remove recloser Install (1) three-phase VWVE recloser		\$39,200				\$39,200
603-07	Hardwick's Creek - Circuit 2 Install (2) single-phase 35 V4E reclosers and (1) single-phase 35 VXE recloser Relocate recloser			\$13,700			\$13,700
603-08	Hinkston - Circuit 2 Add (2) single-phase 50 V4E reclosers		\$6,800				\$6,800

**Kentucky 49
Clark Energy Cooperative, Inc.
2006-2010 Construction Work Plan**

740C DETAIL

MISCELLANEOUS DISTRIBUTION ITEMS (Code 600)

RUS Code	General Description	Quantity	2006-07	2007-08	2008-09	2009-10	Estimated Cost
603-09	Hinkston - Circuit 3 Install (2) single-phase 50 V4E reclosers					\$7,400	\$7,400
603-10	Miller Hunt - Circuit 2 Replace recloser with (3) single-phase V4E reclosers		\$11,800				\$11,800
603-11	Mt. Sterling - Circuit 2 Relocate recloser Install (2) single-phase 70 V4E reclosers			\$11,100			\$11,100
603-12	Sideview - Circuit 1 Replace recloser with (1) single-phase 70V4E reclosers. Remove recloser Install (3) single-phase VWVE reclosers			\$18,200			\$18,200
603-13	Sideview - Circuit 3 Replace recloser with (3) single-phase 70V4E reclosers. Remove recloser			\$14,700			\$14,700
603-14	Sideview - Circuit 4 Replace recloser with (3) single-phase 70V4E reclosers.			\$12,200			\$12,200
603-15	Stanton - Circuit 4 Add (2) single-phase 70 V4E reclosers			\$7,000			\$7,000
603-16	Trapp - Circuit 2 Add (2) single-phase 70 L reclosers Remove reclosers			\$12,200			\$12,200
603-17	Union City - Circuit 2 Replace recloser with (1) three-phase 50 VWVE recloser Replace recloser with (1) single-phase 35 V4E recloser Remove recloser Install (1) single-phase 50 V4E recloser Install a fuse.		\$41,700				\$41,700
604	LINE REGULATORS		\$121,000	\$ 9,300	\$9,500	\$0	\$139,800
604-01	Frenchburg - Circuit 1 Relocate regulator Install (3) single-phase 100 A regulators		\$31,000				\$31,000
604-02	Frenchburg - Circuit 2 Install (1) single-phase 100 A regulator				\$9,500		\$9,500
604-03	Frenchburg - Circuit 4 Install (1) single-phase 100 A regulator		\$9,000				\$9,000
604-04	Hardwick's Creek - Circuit 2 Install (1) single-phase 100 A regulator			\$9,300			\$9,300
604-05	Mariba - Circuit 3 Install (3) single-phase 100 A regulators		\$27,000				\$27,000
604-06	Mt. Sterling - Circuit 3 Install (3) single-phase 100 A regulators		\$27,000				\$27,000

**Kentucky 49
Clark Energy Cooperative, Inc.
2006-2010 Construction Work Plan**

740C DETAIL

MISCELLANEOUS DISTRIBUTION ITEMS (Code 600)

RUS Code	General Description	Quantity	2006-07	2007-08	2008-09	2009-10	Estimated Cost
604-07	Reid Village - Circuit 1 Install (3) single-phase 100 A regulators		\$27,000				\$27,000
606	Pole Replacements Pole Replacements	1,056	\$341,460	\$362,960	\$385,384	\$408,756	\$1,498,560
608	Conductor Replacement System-Wide	40.00	\$228,200	\$235,000	\$242,100	\$249,400	\$954,700
600 TOTAL MISC. DISTRIBUTION ITEMS			\$1,363,800	\$1,306,289	\$1,284,672	\$1,294,020	\$5,248,781

OTHER DISTRIBUTION ITEMS (Code 700)

RUS Code	General Description	Quantity	2006-07	2007-08	2008-09	2009-10	Estimated Cost
702	SECURITY LIGHTS	2,524	\$181,728	\$187,407	\$193,086	\$198,765	\$760,986
704-1	SCADA System Stage 1		\$25,000				\$25,000
704-2	SCADA System Stage 2			\$83,333	\$83,333	\$83,333	\$250,000
700 TOTAL OTHER DISTRIBUTION ITEMS			\$206,728	\$270,740	\$276,419	\$282,098	\$1,035,986

TOTAL (740c) **\$4,710,475** **\$4,182,933** **\$3,671,915** **\$3,718,576** **\$16,283,900**

CWP YEARS	2006-07	2006-07	2007-08	2008-09	2009-10
INFLATION	3.00%	1.000	1.030	1.061	1.093

EXECUTIVE SUMMARY

Purpose of Report

This 2006 - 2010 Construction Work Plan (CWP) documents the engineering analysis and proposed system improvements required for Clark Energy Cooperative, Inc. (Clark Energy) to provide satisfactory and reliable service to its customers through the summer peak of 2010. R. W. Beck (the Consultant) was retained to assist Clark Energy in the preparation of the CWP. Included within is engineering support for a loan application to RUS to finance the proposed construction program. The engineering support includes descriptions, estimated costs and justification of required new facilities and facility improvements.

Service Area and Power Supply

Clark Energy provides service to approximately 25,386 customers located in all or parts of Clark, Montgomery, Bath, Menifee, Powell, Madison, Bourbon, Fayette, Rowan, Morgan, Wolfe, and Estill counties. Clark Energy purchases power at 24.9/14.4 kV or 12.5/7.2 kV from the East Kentucky Power Cooperative (“EKPC”). The twenty-two substations and transmission facilities serving Clark Energy are owned by EKPC. Union City and Three Forks substations are 138 kV delivery points. The remaining 20 substations are 69 kV delivery points. Most of the substations have looped transmission service. The remaining six substations are served radially.

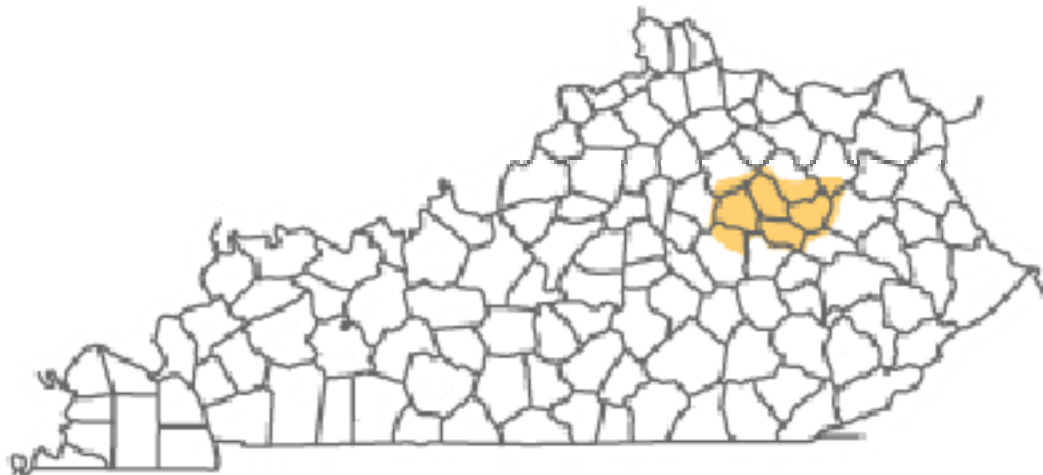


Figure ES-1: Location Map

EXECUTIVE SUMMARY

From the 22 delivery EKPC points, Clark Energy distributes power at a primary voltage of 24.9/14.4 kV and 12.5/7.2 kV over approximately 2,935 miles of distribution lines via 70 distribution circuits. The installed overhead conductor sizes range from #6 CWC to 397 ACSR and total approximately 2,793 line-miles. Clark Energy also has approximately 142 miles of underground distribution lines. A tabulation of general operating statistics for the calendar years 2004 and 2005 from RUS Form 7 are shown in Table 1.

Table ES-1
General System Operating Statistics

	2004	2005
Miles of Distribution Line	2,900	2,935
Year-End consumers per Month Served	25,030	25,386
Consumers per Mile	8.63	8.65
Average Residential Consumption (kWh/mo)	1,088	1,158
Total MWh Purchased	427,871	449,841
Total MWh Sold ⁽¹⁾	401,986	428,774
Percent System Losses	6.05%	4.68%

Note:

(1) Does not include own use.

Results of Proposed Construction

On completion of the proposed construction program, the system will adequately serve the 2010 summer peak load of 118 MW and the 2010 winter peak load of 142 MW as projected in the 2006 Load Forecast (“LF”) prepared by EKPC. The CWP was prepared to provide adequate and dependable service to 27,355 residential, commercial, and industrial customers with total annual sales of 479,811 MWh in 2010.

A detailed description of the proposed system improvements is given in Section 2. This CWP includes carryovers from the previous 2003 - 2005 CWP. The proposed system improvements are identified in the 740c Detail following the RUS 740c Form and are summarized in Table 1-2.

Table ES-2
System Improvements and Additions Summary

RUS Code	Item	Estimated Cost
100	New Construction	\$7,733,633
200	New Tie Lines	\$0
300	Line Conversions	\$2,265,500
400	New Substations	\$0
500	Substation Improvements	\$0
600	Miscellaneous Distribution Equipment	\$5,248,781
700	Other Distribution Equipment	\$1,035,986
Total CWP Improvements		\$16,283,900

General Basis of Study

The year 2010 projected system peak load and number of customers served used in this report were based on the 2006 LF prepared by EKPC. Clark Energy's load projections and recommendations were reviewed and generally found to be adequate for the CWP planning period. All of the construction proposed herein is consistent with the LF unless otherwise noted and explained. A copy of the 2006 LF is given in Appendix A of this report.

Clark Energy's 2004 operations and maintenance review (Review Rating Summary, RUS Form 300) was used to determine construction required to replace physically deteriorated equipment and material, upgrade portions of the system to conform with code or safety requirements, and/or improve reliability or quality of service.

New distribution and power supply construction requirements were considered simultaneously as a "one system" approach for the orderly and economical development of the total system. All of the proposed construction and recommendations herein, relative to power supply and delivery, were discussed with the cooperative's power supplier, EKPC.

Details and estimated costs of the line and equipment changes and the additional requirements to serve 2,694 new residential, commercial, and industrial customers during the work plan period are included in Section 2. An estimated cost of necessary service upgrades to existing customers is also included in Section 2.

An analysis, using as a basis RUS guidelines and the design criteria herein, of thermal loading, voltages, physical conditions and reliability, was performed on all of the substations, distribution lines and major equipment of the existing system. Milsoft Integrated Solutions, Inc.'s Windmil™ software was used to analyze the distribution circuits for the projected summer peak load of 118 MW and the 2010 winter peak load of 142 MW. A sample printout from the software is given in Appendix B. The economic conductor selection is given in Section 3. When applicable, alternate

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solutions were investigated and economically evaluated so the most cost effective construction could be proposed.

In the preparation of this Report, including the opinions contained herein, we have made certain assumptions and used certain considerations with respect to conditions which may occur in the future. While we believe these considerations and assumptions are reasonable and reasonably attainable based upon conditions known to us as of the date of this Report, they are dependent upon future events and actual conditions may differ from those assumed. In addition, we have used and relied upon certain information provided to us by others. To the extent actual future conditions differ from those assumed herein or from the assumptions provided by others, the actual results will vary from those estimated. In addition, field conditions encountered during design will impact some of the projects.

SECTION 1

BASIS OF STUDY AND PROPOSED CONSTRUCTION

1.1 Design Criteria

Construction proposed herein is required to meet the following minimum standards of adequacy for voltages, thermal loading, safety, and reliability on the system.

1. The maximum voltage drop on primary distribution lines is not to exceed 8 volts after regulation on a 120 volt base, including the effect of voltage re-regulation.
2. The following equipment is not to be thermally loaded by more than the percentage shown of its nameplate rating:
 - 100% Substation Transformer rating provided by EKPC
 - 80% Step Transformer rating
 - 80% Line Voltage Regulators
 - 80% Oil Circuit Reclosers
 - 80% Line Fuses
3. Primary conductors that are used as substation inter-ties were reviewed if loaded near 50% of their calculated summer or winter rating. The remaining primary conductors were reviewed at 80%.
4. Primary distribution lines are to be reconducted from single-phase to three-phase if loading exceeds 56 amps on single-phase lines to improve phase balance and conform with the existing coordination scheme.
5. Poles and/or crossarms are to be replaced if found to be physically deteriorated by visual inspection and/or tests. Clark Energy inspects poles and uses a contract crew to replace poles on a ten-year cycle.
6. Overhead conductors, associated poles, and hardware as required, are to be replaced if conductor is old, in poor condition, and has excessive sag.
7. Primary distribution lines are to be rebuilt and/or relocated if they are found to be unsafe or in violation of the National Electrical Safety Code or other applicable code clearances when originally constructed.

Section 1

8. System improvements are to be considered, and made if necessary, in specific areas where customers have experienced more than 2 outage hours per year, excluding outages caused by major storms or the power supplier, for the last year.
9. New lines and line conversions to be built according to the standard primary voltage level of 24.9/14.4 kV.
10. New primary conductor sizes to be determined on a case-by-case basis using the economic conductor sizing and presently known constants and variables. The final proposed conductor may be modified to conform with the cooperative's standard sizes.
11. All new primary construction to be overhead except where underground is required to comply with governmental or environmental regulations, local restrictions, or favorable economics.
12. All new distribution lines to be designed and built according to RUS standard construction specifications and guidelines.
13. Recommendations to correct reactive demand to 90% power factor during peak summer loading were provided.

1.2 Distribution Line and Equipment Costs

The distribution line and equipment costs are given in Tables 1-1 and 1-2. Clark Energy average costs from previous CWP were inflated 3.0% per year to represent 2006 dollars. The remaining costs were estimated based on utility averages. The estimated costs include engineering, overheads, and tree trimming for overhead lines. The 2006 estimated costs are inflated 3.0% per year until the year actual construction is performed.

Table 1-1
Distribution Line (Installed Cost)

Distribution Lines	2006 Estimated Cost (\$/mile)
New Lines	
1 ϕ ; OH, #2 ACSR	\$39,200
1 ϕ ; OH, #1/0 ACSR	\$40,900
3 ϕ ; OH, #2 ACSR	\$68,000
3 ϕ ; OH, #1/0 ACSR	\$73,100
3 ϕ ; OH, #4/0 ACSR	\$80,900
3 ϕ ; OH, 336 kcmil ACSR	\$85,200
3 ϕ ; OH, 556 kcmil ACSR	\$97,100
3 ϕ ; OH, 795 kcmil ACSR	\$105,800
1ϕ to 1ϕ Line Reconductor	
With OH, #2 ACSR	\$15,700
With OH, #1/0 ACSR	\$16,400
1ϕ to 3ϕ Line Reconductor	
With OH, #2 ACSR	\$68,000
With OH, #1/0 ACSR	\$73,100
3ϕ to 3ϕ Line Reconductor	
With OH, #2 ACSR	\$68,000
With OH, #1/0 ACSR	\$73,100
With OH, #4/0 ACSR	\$80,900
With OH, 336 kcmil ACSR	\$85,200
With OH, 336 Hendrix	\$170,400
With OH, 556 kcmil ACSR	\$97,100
With OH, 795 kcmil ACSR	\$105,800
7.2/12.5 kV to 14.4/24.9 kV Conversion	
1 ϕ Conversion	\$8,100
3 ϕ Conversion	\$13,500

**Table 1-2
Distribution Equipment (Installed Cost)**

Distribution Lines	2006 Estimated Cost
Line Regulators	
(1) 1 ϕ , 100 Amp, 76.2 kVA	\$9,000
(3) 1 ϕ , 100 Amp, 76.2 kVA	\$27,000
Relocate (1) regulator bank	\$4,000
Remove (1) regulator bank	\$2,500
Autotransformer	
Auto – 3 ϕ , (1) 5 MVA	\$66,800
Relocate (1) Auto bank	\$4,000
Remove (1) Auto bank	\$2,500
Recloser	
(1) 1 ϕ recloser	\$3,400
(3) 1 ϕ recloser	\$9,300
(1) 3 ϕ recloser	\$27,400
Relocate (1) recloser	\$4,000
Remove (1) recloser	\$2,500

1.3 Status of Previous CWP Items

The previous work plan was prepared for the 2003-2005 construction period. Approximately 67% of the projects in this plan were completed, and 27% were cancelled based on amendments or the issues identified did not materialize. Approximately 6% of the 2003-2005 CWP projects will be designated as a carry-over for the 2006-2010 CWP. The status of each project is summarized in Exhibit 1 based on the following:

- Carry-Over Project will be a carry-over in the 2006-2010 CWP
- Complete Project has been completed
- Cancelled Project was cancelled.

1.4 Analysis of Current System Studies

1.4.1 2006 Load Forecast

EKPC prepared the 2006 Load Forecast (LF), which details the forecasted system coincident peak loads through 2025. Figure 1-1 illustrates the historical and projected summer and winter peak demands from the 2006 LF. The 2006 LF was based on an average annual customer growth of 4.9%, and a growth of energy sales of 2.3%. A copy of the 2006 LF is attached in Appendix A.

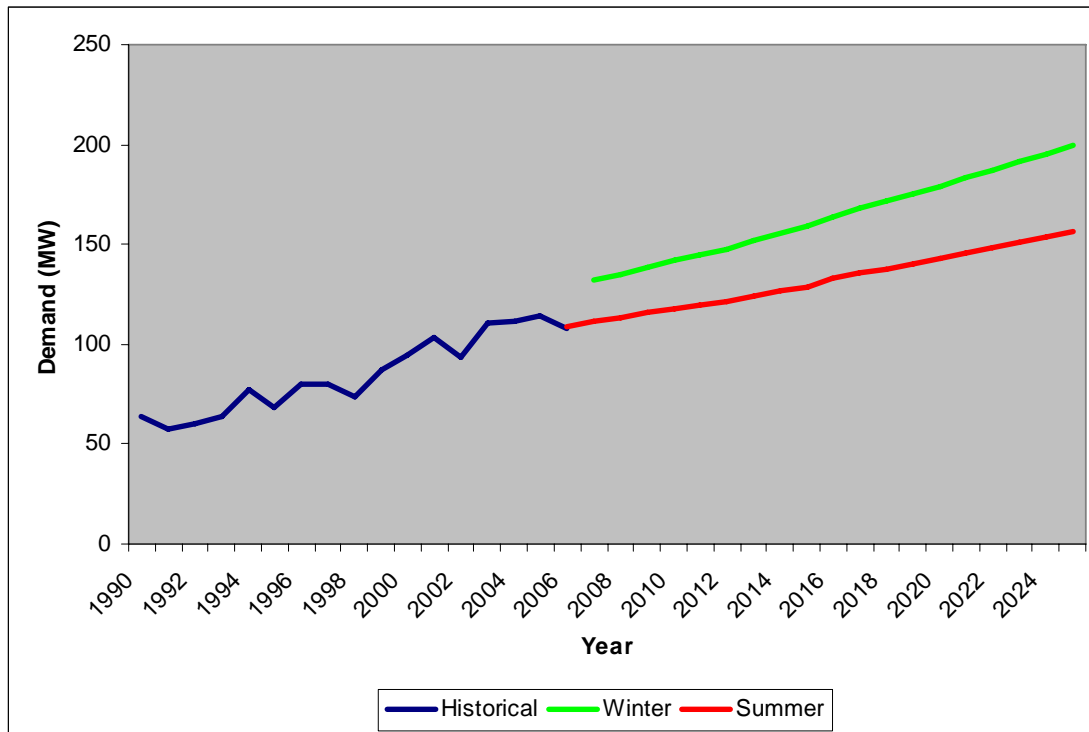


Figure 1-1 Historical and Projected System Peak Demands

The 2006 LF was based on the 2005 winter peak load of 114.5 MW and the 2005 summer peak load of 89.8 MW. The winter and summer peaks have a compound annual load growth rate of 2.3% and 1.9%, respectively, through 2025.

The current Long Range Plan (LRP) was developed by the Clark Energy Engineering Department and R.W. Beck, Inc. The summer and winter projected growth rates are less aggressive than the LF. The actual 2005 summer coincident peak was 89 MW, which is 24% less than the LRP projection for 2005. Similarly, the 2005 winter coincident peak was 115 MW, which is 19% less than the LRP projection for 2005.

The 2006-2010 CWP design loads were based on the projected annual growth rates given in the 2006 LF and the existing system peak loads. The actual and projected summer and winter system loads are compared to the LF and LRP in Table 1-3.

**Table 1-3
Load Forecast and LRP Comparison**

Year	Summer				Winter			
	Actual (kW) CP	LF	LRP	% Difference LF vs. LRP	Actual (kW) CP	LF	LRP	% Difference LF vs. LRP
2000	82	-	-	-	95	-	-	-
2001	85	-	-	-	104	-	-	-
2002	89	-	-	-	94	-	-	-
2003	87	-	-	-	110	-	-	-
2004	85	-	-	-	111	-	-	-
2005	89	-	-	-	115	-	-	-
2006	-	109	119	-8.7%	108	-	145	
2007	-	111	122	-8.7%	-	132	149	-11.3%
2008	-	113	125	-9.5%	-	135	153	-12.0%
2009	-	116	128	-9.7%	-	138	157	-11.8%
2010	-	118	133	-11.4%	-	142	163	-12.9%
2011	-	120	137	-12.7%	-	145	167	-13.3%
2012	-	122	139	-12.5%	-	148	171	-13.6%
2013	-	124	143	-13.0%	-	152	176	-13.5%
2014	-	127	147	-13.8%	-	156	181	-14.0%
2015	-	129	150	-14.0%	-	159	185	-14.0%
2016	-	133	153	-13.2%	-	164	189	-13.2%
2017	-	135	157	-13.8%	-	168	194	-13.5%
2018	-	138	160	-13.9%	-	172	199	-13.8%
2019	-	140	166	-15.5%	-	175	205	-14.5%
2020	-	143	170	-16.1%	-	179	210	-14.8%
2021	-	145	174	-16.4%	-	183	216	-15.2%
2022	-	148	178	-16.8%	-	187	221	-15.4%
2023	-	151	-	-	-	192	-	-
2024	-	154	-	-	-	195	-	-
2025	-	157	-	-	-	200	-	-

1.4.2 2004 Operations and Maintenance Survey

The Form 300 operations and maintenance review was performed by Clark Energy and the RUS field representative in October 2004. RUS Form 300 is located in Exhibit 3. The review indicated a satisfactory rating in all areas except the following, which received an acceptable rating.

- Service Interruptions: There was a severe ice storm in 2003.

1.4.3 Sectionalizing Studies

Clark Energy reviews the coordination of all sectionalizing devices. Clark Energy will analyze the protection schemes of all new or significantly changed circuits due to CWP projects.

Upon completion of the analyses, a list is prepared of reclosers, fuses and other devices required to adequately protect the circuits investigated. This list of protection equipment additions and changes, and its estimated installed cost required for the next planning period, is included in Section 2 of this CWP.

1.5 Historical and Projected System Data

1.5.1 Annual Energy, Load, and Consumer Data

A summary of the annual energy, demand, and consumer information is given in Table 1-4. The historical data provided was taken from Clark Energy data. Projections for the 2010 CWP summer design load of 118 MW and the 2010 CWP winter design load of 142 MW. The total projected system load was allocated to individual substations and feeders based on Clark Energy's knowledge of the system, historical loading, and known future development.

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**Table 1-4
Historical and Projected Annual Energy, Demand, and Consumer Data**

Calendar Year	Energy Purchased (MWh)	Energy Sold ⁽²⁾		Energy Loss		Coincident Peak Demand ⁽³⁾		Percent Increase	Annual Load Factor	Number of Customers ⁽⁴⁾	
		(MWh)	Percent Increase	(MWh)	Percent of Purchases	Season	(kW)			Average ⁽⁵⁾	Percent Increase
2001	401,373	372,213	-	28,652	7.14%	Winter	103,500	-	44.27%	23,427	-
2002	411,248	391,175	5.09%	19,551	4.75%	Winter	93,700	-9.47%	50.10%	23,977	2.35%
2003	418,275	392,455	0.33%	25,278	6.04%	Winter	110,300	17.72%	43.29%	24,376	1.66%
2004	427,871	401,986	2.43%	25,297	5.91%	Winter	112,200	1.72%	43.53%	24,796	1.72%
2005	449,841	428,774	6.66%	20,528	4.56%	Winter	114,500	2.05%	44.85%	25,151	1.43%
2006	454,215	430,954	0.51%	22,711	5.00%	Winter	108,200	-5.50%	42.16%	25,574	1.68%
2007	472,730	448,544	4.08%	23,637	5.00%	Winter	132,000	22.00%	40.27%	26,006	1.69%
2008	482,565	457,887	2.08%	24,128	5.00%	Winter	135,000	2.27%	40.51%	26,437	1.66%
2009	494,328	469,062	2.44%	24,716	5.00%	Winter	138,000	2.22%	40.60%	26,899	1.75%
2010	505,643	479,811	2.29%	25,282	5.00%	Winter	142,000	2.90%	40.65%	27,355	1.70%

Notes:

⁽¹⁾ Historical and projected data based on 2006 LF.

⁽²⁾ Does not include own use.

⁽³⁾ Non-coincident peak for the system is the sum of the metered substation coincident peaks.

⁽⁴⁾ Average number of customers for projected CWP period was based on LF projections.

⁽⁵⁾ Includes residential, small commercial and large commercial customers.

1.6 Substation Load Data

Clark Energy purchases power from the EKPC at twenty 69 kV delivery points and two 138 kV delivery points. Table 1-5 summarizes the existing Clark Energy substations, configuration, voltage, and capacity. Historical winter and summer substation demands and power factor are shown in Tables 1-6 and 1-7. The substations are listed in Table 1-10 with the calculated capacity and existing and projected substation peak demands.

The total installed substation transformer capacity for the Clark Energy system is approximately 290.19 MVA in the winter and 200.69 MVA in the summer based on the current configuration and location of the transformers. The winter transformer capacity is 153% greater than the winter coincident system peak of 114.5 MW. The summer transformer capacity is 123% greater than the summer coincident peak of 89.84 MW. During the existing winter and summer peak, none of the substation transformers exceeded their ratings.

Table 1-5
Substation Voltages and Capacities

Substation	Voltage (kV)	Total Capacity (MVA)	Cal. Summer Capacity (MVA)	Cal. Winter Capacity (MVA)	Trans. Config. Qty.-Phase-Rating (MVA)
Blevins Valley	69-7.2	5.0	4.4	7.5	(3) 1 ϕ - 1.667
Bowen	69-7.2	5.6	5.5	7.9	(3) 1 ϕ - 1.667
Cave Run	69-7.2	2.0	1.8	3.0	(3) 1 ϕ - 0.667
Clay City	69-12.5	14.0	13.6	18.1	(1) 3 ϕ - 11.2/14.0
Frenchburg	69-12.5	11.2	11.1	15.7	(1) 3 ϕ - 11.2
Hardwick's Creek	69-12.5	14.0	13.6	18.1	(1) 3 ϕ - 11.2/14.0
High Rock	69-7.2	9.3	0.9	1.3	(1) 1 ϕ - 0.883
Hinkston	69-24.9	14.0	13.6	18.1	(1) 3 ϕ - 11.2/14.0
Hope	69-7.2	14.0	13.6	18.1	(3) 1 ϕ - 1.667/1.867/2.147
Hunt	69-24.9	14.0	13.6	18.1	(1) 3 ϕ - 11.2/14.0
Jeffersonville	69-24.9	11.2	11.1	15.7	(1) 3 ϕ - 11.2/14.0
Mariba	69-7.2	5.6	5.5	7.9	(3) 1 ϕ - 1.667/1.867
Miller Hunt	69-24.9	11.2	11.1	15.7	(1) 3 ϕ - 11.2/14.0
Mt. Sterling	69-12.5	11.2	11.1	15.7	(1) 3 ϕ - 11.2
Reid Village	69-7.2	5.6	5.5	7.9	(3) 1 ϕ - 1.667
Sideview	69-7.2	6.4	6.3	8.4	(3) 1 ϕ - 1.667/1.867/2.147
Stanton	69-12.5	20.0	19.5	25.9	(1) 3 ϕ - 15/20

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**Table 1-5
Substation Voltages and Capacities**

Substation	Voltage (kV)	Total Capacity (MVA)	Cal. Summer Capacity (MVA)	Cal. Winter Capacity (MVA)	Trans. Config. Qty.-Phase-Rating (MVA)
Three Forks	138-24.9	12.0	11.9	16.9	(1) 3 ϕ - 12
Trapp	69-7.2	5.0	4.4	7.5	(3) 1 ϕ - 1.667
Treehaven	69-7.2	5.0	4.4	7.5	(3) 1 ϕ - 1.667
Union City	138-24.9	12.0	11.9	16.9	(1) 3 ϕ - 12/16/20
Van Meter	69-7.2	6.4	6.3	8.4	(3) 1 ϕ - 1.667/1.867

**Table 1-6
Historical Winter Substation Demands**

Substation	Cal. Winter Capacity ⁽¹⁾ (MVA)	Coincident Peak ⁽²⁾ (MW)	Power Factor @ Peak ⁽²⁾	Percent Loaded ⁽³⁾
Blevins Valley	7.5	3.5	100%	46.7%
Bowen	7.9	3.6	100%	45.6%
Cave Run	3.0	1.6	100%	53.3%
Clay City	18.1	9.6	99%	53.6%
Frenchburg	15.7	9.1	98%	59.1%
Hardwick's Creek ⁽⁴⁾	18.1	3.1	99%	17.3%
High Rock	1.3	0.6	98%	47.1%
Hinkston ⁽⁴⁾	18.1	2.7	99%	15.1%
Hope	18.1	4.9	99%	27.3%
Hunt	18.1	8.5	99%	47.4%
Jeffersonville	15.7	6.0	99%	38.6%
Mariba	7.9	4.3	99%	55.0%
Miller Hunt ⁽⁴⁾	15.7	2.7	99%	17.4%
Mt. Sterling	15.7	5.8	100%	36.9%
Reid Village	7.9	3.3	99%	42.2%
Sideview	8.4	7.6	99%	91.4%
Stanton	25.9	11.9	99%	46.4%
Three Forks	16.9	5.8	99%	34.7%
Trapp	7.5	3.1	99%	41.8%
Treehaven	7.5	4.1	100%	54.7%

Table 1-6
Historical Winter Substation Demands

Substation	Cal. Winter Capacity ⁽¹⁾ (MVA)	Coincident Peak ⁽²⁾ (MW)	Power Factor @ Peak ⁽²⁾	Percent Loaded ⁽³⁾
Union City	16.9	8.0	99%	47.8%
Van Meter	8.4	3.0	98%	36.4%

Notes:

- (1) Based on ratings provided by EKPC.
- (2) Peak demand and power factor based on historical metered data provided by EKPC for January 2005 and load transfers from the engineering model.
- (3) Loading percentage stated as coincident peak and power factor to the calculated rating of transformer(s).
- (4) Substation not in service at time of peak, and power factor was assumed based on readings from adjacent substations.

Table 1-7
Historical Summer Substation Demands

Substation	Cal. Summer Capacity ⁽¹⁾ (MVA)	Coincident Peak ⁽²⁾ (MW)	Power Factor @ Peak ⁽²⁾	Percent Loaded ⁽³⁾
Blevins Valley	4.4	2.8	99%	64.3%
Bowen	5.5	3.9	96%	73.9%
Cave Run	1.8	1.2	96%	69.4%
Clay City	13.6	8.6	96%	65.9%
Frenchburg	11.1	6.6	95%	62.6%
Hardwick's Creek ⁽⁴⁾	13.6	2.5	95%	19.3%
High Rock	0.9	0.5	93%	59.7%
Hinkston	13.6	2.3	90%	18.8%
Hope	13.6	4.1	94%	32.1%
Hunt	13.6	6.2	96%	47.5%
Jeffersonville	11.1	4.6	94%	44.1%
Mariba	5.5	3.8	96%	72.0%
Miller Hunt	11.1	2.2	97%	20.4%
Mt. Sterling	11.1	4.9	97%	45.5%
Reid Village	5.5	3.3	95%	63.2%
Sideview	6.3	5.1	94%	86.1%
Stanton	19.5	14.0	95%	75.6%
Three Forks	11.9	3.4	94%	30.4%
Trapp	4.4	2.3	94%	55.6%

**Table 1-7
Historical Summer Substation Demands**

Substation	Cal. Summer Capacity ⁽¹⁾ (MVA)	Coincident Peak ⁽²⁾ (MW)	Power Factor @ Peak ⁽²⁾	Percent Loaded ⁽³⁾
Treehaven	4.4	3.4	100%	77.3%
Union City	11.9	4.7	95%	41.6%
Van Meter	6.3	2.4	93%	41.0%

Notes:

- (1) Based on ratings provided by EKPC.
- (2) Peak demand and power factor based on historical metered data provided by EKPC for July 2005 and load transfers from the engineering model.
- (3) Loading percentage stated as coincident peak and power factor to the calculated rating of transformer(s).
- (4) Substation not in service at time of peak, and power factor was assumed based on readings from adjacent substations.

1.7 Circuit Loads

The distribution system is served through (50) 12.47/7.2 kV and (20) 24.9/14.4 kV substation reclosers. The recloser continuous current rating and the conductor capacity of the backbone conductors on the feeder are compared to the winter and summer peak feeder loads in Tables 1-8 and 1-9. Based on the existing peak loads from the distribution system model, none of the substation reclosers exceeded the rated capacity. None of the first line sections exceeded the rated capacity.

**Table 1-8
Recloser and Feeder Capacity at 2005 Winter Peak**

Substation /Feeder	Load ⁽¹⁾ (Amps)	Recloser Rating (Amps)	Percent Recloser Loading	Backbone Conductor ⁽²⁾	Percent Conductor Loading ⁽²⁾
Blevins Valley					
1	31.0	560	5.5%	336 ACSR	4.1%
2	76.5	560	13.7%	1/0 CU	16.7%
3	23.0	560	4.1%	1/0 CU	3.3%
Bowen					
1	62.9	560	11.2%	1/0 ACSR	15.1%
2	69.6	560	12.4%	1/0 ACSR	18.4%
3	39.7	560	7.1%	397 ACSR	1.8%
Cave Run					
1	31.5	560	5.6%	4/0 ACSR	6.2%
2	41.1	560	7.3%	4/0 ACSR	6.6%

Table 1-8
Recloser and Feeder Capacity at 2005 Winter Peak

Substation /Feeder	Load ⁽¹⁾ (Amps)	Recloser Rating (Amps)	Percent Recloser Loading	Backbone Conductor ⁽²⁾	Percent Conductor Loading ⁽²⁾
Clay City					
1	154.2	560	27.5%	4/0 ACSR	28.2%
2	146.7	560	26.2%	4/0 ACSR	28.9%
3	22.0	560	3.9%	336 ACSR	3.0%
4	104.5	560	18.7%	336 ACSR	14.5%
Frenchburg					
1	101.3	560	18.1%	6 ACWC	63.4%
2	78.4	560	14.0%	1/0 CU	15.6%
3	111.7	560	19.9%	1/0 CU	25.2%
4	60.8	560	10.9%	336 ACSR	13.1%
Hardwick's creek					
1	16.5	560	2.9%	1/0 ACSR	0.6%
2	84.4	560	15.1%	1/0 ACSR	20.8%
3	40.4	560	7.2%	336 ACSR	0.0%
High Rock					
1 ⁽³⁾	78.6	N/A	N/A	1/0 ACSR	26.9%
Hinkston					
1	5.3	560	0.9%	1/0 ACSR	1.6%
2	31.3	560	5.6%	1/0 ACSR	5.2%
3	16.8	560	3.0%	4/0 ACSR	8.0%
4	9.8	560	1.8%	336 ACSR	1.2%
Hope					
1	8.7	560	1.6%	1/0 CU	1.6%
2	29.1	560	5.2%	1/0 CU	4.3%
3	70.3	560	12.6%	336 ACSR	7.7%
Hunt					
1	37.5	560	6.7%	397 ACSR	2.7%
2	21.9	560	3.9%	1/0 ACSR	0.1%
3	64.2	560	11.5%	1/0 ACSR	17.8%
4	77.0	560	13.8%	397 ACSR	9.4%
Jeffersonville					
1	83.0	560	14.8%	336 ACSR	13.1%
2	50.9	560	9.1%	336 ACSR	4.7%
Mariba					
1	28.0	560	5.0%	1/0 ACSR	5.3%
2	42.9	560	7.7%	1/0 ACSR	25.1%
3	65.8	560	11.8%	6 ACWC	26.8%
4 ⁽⁴⁾	34.2	70	48.9%	4 ACSR	24.7%

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**Table 1-8
Recloser and Feeder Capacity at 2005 Winter Peak**

Substation /Feeder	Load ⁽¹⁾ (Amps)	Recloser Rating (Amps)	Percent Recloser Loading	Backbone Conductor ⁽²⁾	Percent Conductor Loading ⁽²⁾
Miller Hunt					
1	30.6	560	5.5%	336 ACSR	2.8%
2	28.2	560	5.0%	336 ACSR	1.0%
3	4.2	560	0.8%	336 ACSR	0.3%
Mt. Sterling					
1	50.1	560	8.9%	4/0 ACSR	4.7%
2	65.0	560	11.6%	4/0 ACSR	15.2%
3	80.3	560	14.3%	1/0 ACSR	25.4%
Reid Village					
1	87.2	560	15.6%	4 ACSR	29.1%
2	62.5	560	11.2%	1/0 ACSR	16.9%
Sideview					
1	41.8	560	7.5%	1/0 ACSR	22.3%
2	40.2	560	7.2%	4/0 ACSR	15.4%
3	85.6	560	15.3%	4/0 ACSR	22.3%
4	90.1	560	16.1%	4/0 ACSR	17.2%
Stanton					
1	98.8	560	17.6%	336 ACSR	12.8%
2	109.3	560	19.5%	1/0 CU	29.6%
3	110.0	560	19.6%	397 ACSR	12.8%
4	212.5	560	37.9%	397 ACSR	31.9%
Three Forks					
1	37.8	560	6.8%	1/0 ACSR	8.3%
2	78.7	560	14.1%	1/0 ACSR	14.0%
3	12.3	560	2.2%	336 ACSR	0.7%
Trapp					
1	38.8	560	6.9%	1/0 ACSR	9.3%
2	70.2	560	12.5%	336 ACSR	10.0%
3	27.7	560	4.9%	1/0 ACSR	4.4%
Treehaven					
1	46.3	560	8.3%	1/0 ACSR	14.0%
2	93.6	560	16.7%	1/0 ACSR	26.8%
3	14.6	560	2.6%	336 ACSR	0.0%
4	62.9	560	11.2%	1/0 ACSR	14.8%
Union City					
1	40.9	560	7.3%	1/0 ACSR	9.8%
2	73.5	560	13.1%	1/0 ACSR	21.1%
3	10.2	560	1.8%	1/0 ACSR	2.2%
4	53.3	560	9.5%	336 ACSR	8.6%

**Table 1-8
Recloser and Feeder Capacity at 2005 Winter Peak**

Substation /Feeder	Load ⁽¹⁾ (Amps)	Recloser Rating (Amps)	Percent Recloser Loading	Backbone Conductor ⁽²⁾	Percent Conductor Loading ⁽²⁾
Van Meter					
1	10.6	560	1.9%	4 ACSR	0.0%
2	12.6	560	2.3%	1/0 ACSR	3.9%
3	113.1	560	20.2%	1/0 ACSR	36.8%

Notes:

- (1) Based on historical metered data provided by EKPC for Jan 2005 and load transfers from the engineering model.
- (2) Based on the engineering model.
- (3) High Rock is single-phase and is limited by the high-side transformer fuse.
- (4) Mariba Circuit 4 is a single-phase 70 Amp recloser.

**Table 1-9
Recloser and Feeder Capacity at 2005 Summer Peak**

Substation /Feeder	Load ⁽¹⁾ (Amps)	Recloser Rating (Amps)	Percent Recloser Loading	Backbone Conductor ⁽²⁾	Percent Conductor Loading ⁽²⁾
Blevins Valley					
1	25.4	560	4.5%	336 ACSR	9.5%
2	63.1	560	11.3%	1/0 CU	20.7%
3	19.2	560	3.4%	1/0 CU	5.3%
Bowen					
1	71.9	560	12.8%	1/0 ACSR	34.8%
2	71.5	560	12.8%	1/0 ACSR	30.5%
3	54.0	560	9.6%	397 ACSR	3.6%
Cave Run					
1	39.1	560	7.0%	4/0 ACSR	15.5%
2	17.7	560	3.2%	4/0 ACSR	5.6%
Clay City					
1	119.9	560	21.4%	4/0 ACSR	40.8%
2	152.7	560	27.3%	4/0 ACSR	60.7%
3	22.3	560	4.0%	336 ACSR	5.1%
4	100.7	560	18.0%	336 ACSR	29.8%
Frenchburg					
1	61.7	560	11.0%	6 ACWC	61.9%
2	63.6	560	11.4%	1/0 CU	21.7%
3	103.8	560	18.5%	1/0 CU	38.9%
4	40.1	560	7.2%	336 ACSR	14.4%

Section 1

**Table 1-9
Recloser and Feeder Capacity at 2005 Summer Peak**

Substation /Feeder	Load ⁽¹⁾ (Amps)	Recloser Rating (Amps)	Percent Recloser Loading	Backbone Conductor ⁽²⁾	Percent Conductor Loading ⁽²⁾
Hardwick's creek					
1	17.8	560	3.2%	1/0 ACSR	1.7%
2	65.6	560	11.7%	1/0 ACSR	28.2%
3	32.6	560	5.8%	336 ACSR	0.0%
High Rock					
1 ⁽³⁾	72.3	N/A	N/A	1/0 ACSR	44.7%
Hinkston					
1	6.1	560	1.1%	1/0 ACSR	3.1%
2	27.1	560	4.8%	1/0 ACSR	10.7%
3	13.3	560	2.4%	4/0 ACSR	1.1%
4	9.7	560	1.7%	336 ACSR	2.1%
Hope					
1	7.1	560	1.3%	1/0 CU	1.5%
2	25.7	560	4.6%	1/0 CU	7.0%
3	63.0	560	11.3%	336 ACSR	13.9%
Hunt					
1	26.9	560	4.8%	397 ACSR	2.7%
2	17.1	560	3.1%	1/0 ACSR	0.1%
3	47.5	560	8.5%	1/0 ACSR	20.8%
4	58.6	560	10.5%	397 ACSR	10.2%
Jeffersonville					
1	62.2	560	11.1%	336 ACSR	16.4%
2	46.2	560	8.3%	336 ACSR	7.8%
Mariba					
1	28.6	560	5.1%	1/0 ACSR	8.7%
2	38.0	560	6.8%	1/0 ACSR	39.0%
3	55.2	560	9.9%	6 ACWC	41.0%
4 ⁽⁴⁾	39.9	70	57.0%	4 ACSR	44.8%
Miller Hunt					
1	26.1	560	4.7%	336 ACSR	3.2%
2	22.7	560	4.1%	336 ACSR	1.7%
3	4.1	560	0.7%	336 ACSR	0.3%
Mt. Sterling					
1	49.3	560	8.8%	4/0 ACSR	7.7%
2	53.8	560	9.6%	4/0 ACSR	22.7%
3	68.0	560	12.1%	1/0 ACSR	38.6%
Reid Village					
1	77.5	560	13.8%	4 ACSR	35.0%
2	77.4	560	13.8%	1/0 ACSR	28.7%

Table 1-9
Recloser and Feeder Capacity at 2005 Summer Peak

Substation /Feeder	Load ⁽¹⁾ (Amps)	Recloser Rating (Amps)	Percent Recloser Loading	Backbone Conductor ⁽²⁾	Percent Conductor Loading ⁽²⁾
Sideview					
1	31.4	560	5.6%	1/0 ACSR	32.6%
2	30.9	560	5.5%	4/0 ACSR	20.2%
3	53.2	560	9.5%	4/0 ACSR	23.5%
4	63.6	560	11.4%	4/0 ACSR	21.9%
Stanton					
1	139.8	560	25.0%	336 ACSR	26.5%
2	136.5	560	24.4%	1/0 CU	51.0%
3	135.1	560	24.1%	397 ACSR	22.6%
4	238.8	560	42.6%	397 ACSR	53.3%
Three Forks					
1	27.8	560	5.0%	1/0 ACSR	11.5%
2	46.8	560	8.4%	1/0 ACSR	17.4%
3	6.0	560	1.1%	336 ACSR	0.7%
Trapp					
1	32.4	560	5.8%	1/0 ACSR	11.9%
2	54.9	560	9.8%	336 ACSR	13.3%
3	21.8	560	3.9%	1/0 ACSR	5.7%
Treehaven					
1	35.5	560	6.3%	1/0 ACSR	17.5%
2	92.7	560	16.6%	1/0 ACSR	44.0%
3	10.9	560	1.9%	336 ACSR	0.0%
4	45.5	560	8.1%	1/0 ACSR	17.3%
Union City					
1	26.8	560	4.8%	1/0 ACSR	12.2%
2	46.5	560	8.3%	1/0 ACSR	28.6%
3	5.8	560	1.0%	1/0 ACSR	2.9%
4	30.7	560	5.5%	336 ACSR	11.0%
Van Meter					
1	8.6	560	1.5%	4 ACSR	0.0%
2	13.2	560	2.4%	1/0 ACSR	5.4%
3	92.2	560	16.5%	1/0 ACSR	43.8%

Notes:

- (1) Based on historical metered data provided by EKPC for July 2005 and load transfers from the engineering model.
- (2) Based on the engineering model.
- (3) High Rock is single-phase and is limited by the high-side transformer fuse.
- (4) Mariba Circuit 4 is a single-phase 70 Amp recloser.

Section 1

A review of Table 1-10 provides an overview of the existing transformer capacity compared to the existing peak and the projected CWP design load in 2010. At the 2010 projected peak, Sideview Substation transformer exceeds the 100% loading planning criteria. EKPC is aware of the expected loading for the Sideview Substation transformer, and plans to rebuild the station due to the age of the facilities.

Table 1-10
Existing Substation Transformer Capacity and Loading

Substation /Feeder	Summer Or Winter	Peak Load (MW)			
		Cal. Summer or Winter Capacity ⁽¹⁾ (MVA)	Projected 2010 ⁽²⁾	Power Factor @Peak ⁽³⁾	Percent Loaded ⁽⁴⁾
Blevins Valley	Winter	7.5	4.2	100%	56.0%
Bowen	Summer	5.5	4.1	96%	77.7%
Cave Run	Winter	3.0	1.8	100%	60.0%
Clay City	Summer	13.6	12.2	96%	93.4%
Frenchburg	Winter	15.7	11.8	98%	76.7%
Hardwick's Creek	Winter	18.1	4.1	99%	22.9%
High Rock	Winter	1.3	0.7	98%	54.9%
Hinkston	Winter	18.1	5.0	99%	27.9%
Hope	Summer	13.6	6.3	94%	49.3%
Hunt	Winter	18.1	9.7	99%	54.1%
Jeffersonville	Winter	15.7	7.8	99%	50.2%
Mariba	Winter	7.9	5.5	99%	70.3%
Miller Hunt	Winter	15.7	3.5	99%	22.5%
Mt. Sterling	Winter	15.7	7.5	100%	47.8%
Reid Village	Winter	7.9	4.3	99%	55.0%
Sideview	Winter	8.4	9.9	99%	119.0%
Stanton	Summer	19.5	15.8	95%	85.3%
Three Forks	Winter	16.9	7.0	99%	41.8%
Trapp	Winter	7.5	4.0	99%	53.9%
Treehaven	Winter	7.5	5.3	100%	70.7%
Union City	Winter	16.9	11.7	99%	69.9%
Van Meter	Winter	8.4	3.9	98%	47.4%

Notes:

- (1) Based on ratings provided by EKPC.
- (2) Projected demand based on the 2006 LF.
- (3) Power factor based on historical metered data provided by EKPC for July 2005 and load transfers from the engineering model.
- (4) Loading percentage stated as load projection and power factor to the calculated rating of transformer(s).

The Clark Energy electric system was modeled on Milsoft Integrated Solutions, Inc.'s Windmil™ software. Load data were obtained from the Clark Energy member billing information. Load-flows were prepared to provide information such as the percent conductor loading to its capacity, calculated line losses, power factor information and voltage drop along line sections. The load-flow information from the computer model

was compared to the criteria outlined in this report. Recommendations were then based on these results. Exhibit 6 presents the existing and projected system deficiencies.

Each of the 70 circuits was analyzed with respect to adequate voltage and loading conditions. The computer analysis of the 2005 winter system peak revealed:

- Voltage levels less than 118 Volts in line sections in the following substations: Frenchburg – Circuits 1 and 2; Hardwick’s Creek – Circuit 2; Mariba – Circuit 3; Mt. Sterling – Circuit 3; Reid Village – Circuit 1; and Sideview – Circuits 1, 3, and 4.
- Conductor loading greater than 50% in line sections in the following substations: Frenchburg – Circuits 1 and 3.
- Greater than 56 Amps on single-phase line sections in the following substations: Hardwick’s Creek – Circuit 2, High Rock – Circuit 1, and Union City – Circuit 2.

The computer analysis of the 2005 summer system peak revealed:

- Voltage levels less than 118 Volts in line sections in the following substations: Bowen – Circuit 1; Frenchburg – Circuit 4; Mt. Sterling – Circuit 3; Reid Village – Circuit 1; Sideview – Circuit 3.
- Conductor loading greater than 50% in line sections in the following substations: Bowen – Circuit 1; Clay City – Circuits 1 and 2, Frenchburg – Circuits 1 and 3; Mariba – Circuit 3; Reid Village – Circuits 1 and 2; Stanton – Circuits 2, 3, and 4; Treehaven – Circuit 2; and Van Meter – Circuit 3.
- Greater than 56 Amps on single-phase line sections in the following substations: High Rock – Circuit 1

Section 1

Computer analysis of the projected 2010 winter system peak revealed:

- Voltage levels lower than 118 Volts in line sections in the following substations: Frenchburg – Circuits 1, 2, and 4; Mariba – Circuit 3; Mt. Sterling – Circuit 3; Hardwick’s Creek – Circuits 1 and 2; Reid Village – Circuit 1; Sideview – Circuits 1, 3, and 4.
- Conductor loading greater than 50% in line sections in the following substations: Clay City – Circuit 1; Frenchburg – Circuits 1 and 3; Mariba – Circuit 3; Reid Village – Circuit 1; Sideview – Circuit 3.
- Greater than 56 Amps on single-phase line sections in the following substations: Clay City – Circuits 2 and 4; Hardwick’s Creek – Circuit 2; High Rock – Circuit 1; Hinkston – Circuits 1 and 3; Miller Hunt – Circuit 2; Mt. Sterling – Circuit 2; Sideview – Circuits 1 and 4; Stanton – Circuits 3 and 4; Trap – Circuit 2; Treehaven – Circuit 4; Union City – Circuit 2.

Computer analysis of the projected 2010 summer system peak revealed:

- Voltage levels lower than 118 Volts in line sections in the following substations: Bowen – Circuits 1 and 3; Frenchburg – Circuits 1, 2, and 4; Jeffersonville – Circuit 2; Mt. Sterling – Circuit 3; Hardwick’s Creek – Circuit 2; Reid Village – Circuit 1; Sideview – Circuits 1, 3, and 4; Stanton – Circuit 3.
- Conductor loading greater than 50% in line sections in the following substations: Bowen – Circuit 1; Clay City – Circuits 1 and 2; Frenchburg – Circuits 1 and 3; Hardwick’s Creek – Circuit 2; Mariba – Circuit 3; Reid Village – Circuits 1 and 2; Sideview – Circuit 3; Stanton – Circuits 2, 3, and 4; Treehaven – Circuit 2; Union City – Circuit 2; Van Meter – Circuit 3.
- Greater than 56 Amps on single-phase line sections in the following substations: Clay City – Circuits 2 and 4; Hardwick’s Creek – Circuit 2; High Rock – Circuit 1; Hinkston – Circuits 2 and 3; Union City – Circuit 2.

1.8 System Outages

A summary of the outages experienced by Clark Energy for the last five years is given in Table 1-11. The five-year average annual outage hours per customer is 3.95 hours; however, this average includes system outages experienced during the ice storm of 2003. The exclusion of the “Total” hours for 2003 reduces the average to 1.77 hours. RUS suggests a system goal for outages of less than two hours per customer in rural areas and one hour in urban areas. Clark Energy’s goal is to improve system reliability and keep the average outage hours per customer below the recommended guideline.

Table 1-11
Service Interruption Summary
Average Hours Per Consumer By Cause

Year	Power Supplier	Extreme Storm	Prearranged	Others	Total
2001	0.38	0.00	0.00	1.40	1.78
2002	0.02	0.00	0.10	0.83	0.95
2003	1.30	9.06	0.00	1.27	11.63
2004	0.18	0.00	0.02	2.83	3.03
2005	0.30	0.00	0.01	1.01	1.32
5 Yr. Avg.	0.44	1.81	0.03	1.67	3.95

Note:
From RUS Form 7.

Section 2

REQUIRED CONSTRUCTION ITEMS

The required 2006-2010 CWP items are discussed in this section. The design criteria as given in Section 1 were used as a guide to identify potential CWP items for evaluation. Load-flow, voltage drop, and where appropriate, economic analysis was performed to support the recommended CWP items.

2.1 Service to New Members

Historical information was reviewed for a 24-month period from calendar years 2004 and 2005 to project new member service requirements for the CWP period. The historical number of members was increased approximately 2.0% per year for the 2006-2010 CWP period. The historical costs were inflated by 3.0% per year.

Table 2-1
Construction Required to Serve New Members
Estimated 48-Month Work Plan Period

<u>New Members</u> <u>- System Wide</u>	<u>Average</u> <u>2004-2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>TOTAL</u>
Number of New Services						
Underground	220	224	229	233	238	924
Overhead	<u>421</u>	<u>429</u>	<u>438</u>	<u>447</u>	<u>456</u>	<u>1,770</u>
Total New Services	641	653	667	680	694	2,694
Linear Feet of New Underground Line						
Primary	20,639	20,639	20,639	20,639	20,639	82,556
Secondary	1,805	1,805	1,805	1,805	1,805	7,220
Service Drop	<u>32,942</u>	<u>32,942</u>	<u>32,942</u>	<u>32,942</u>	<u>32,942</u>	<u>131,768</u>
Subtotal	55,386	55,386	55,386	55,386	55,386	221,544
Average Length in Feet/UG Member	251.8	247.3	241.9	237.7	232.7	239.8
Linear Feet of New Overhead Line						
Primary	113,146	113,146	113,146	113,146	113,146	452,584
Secondary	10,138	10,138	10,138	10,138	10,138	40,552
Service Drop	<u>21,538</u>	<u>21,538</u>	<u>21,538</u>	<u>21,538</u>	<u>21,538</u>	<u>86,152</u>
Subtotal	144,822	144,822	144,822	144,822	144,822	579,288

Section 2

Table 2-1
Construction Required to Serve New Members
Estimated 48-Month Work Plan Period

New Members - System Wide	Average 2004-2005	2006	2007	2008	2009	TOTAL
Average Length in Feet/OH Member	344.0	337.6	330.6	324.0	317.6	327.3
Total New Line (Linear Feet)	200,208	200,208	200,208	200,208	200,208	800,832
Cost of New Line						
Underground	\$638,780	\$657,943	\$677,682	\$698,012	\$718,953	\$2,752,590
Average Cost/UG Member	\$2,910	\$2,937	\$2,959	\$2,996	\$3,021	\$2,979
Overhead	\$1,155,926	\$1,190,604	\$1,226,322	\$1,263,112	\$1,301,005	\$4,981,043
Average Cost/OH Member	\$2,746	\$2,775	\$2,800	\$2,826	\$2,853	\$2,814
Total Cost of New Line	\$1,794,706	\$1,848,547	\$1,904,004	\$1,961,124	\$2,019,958	\$7,733,633
Number of New Transformers						
Padmount	74	74	74	74	74	296
Pole Mount	<u>313</u>	<u>313</u>	<u>313</u>	<u>313</u>	<u>313</u>	<u>1,252</u>
Total New Transformers	387	387	387	387	387	1,548
Average Installed Cost/Transformer						
Padmount	\$1,207	\$1,243	\$1,281	\$1,319	\$1,358	\$1,300
Pole Mount	\$414	\$426	\$439	\$452	\$466	\$446
Cost of Transformers						
Padmount	\$89,318	\$91,982	\$94,794	\$97,606	\$100,492	\$384,874
Pole Mount	<u>\$129,582</u>	<u>\$133,338</u>	<u>\$137,407</u>	<u>\$141,476</u>	<u>\$145,858</u>	<u>\$558,079</u>
Total Cost Of New Transformers	\$218,900	\$225,320	\$232,201	\$239,082	\$246,350	\$942,953
Number of New Meters						
Underground	220	224	224	224	224	896
Overhead	<u>421</u>	<u>429</u>	<u>429</u>	<u>429</u>	<u>429</u>	<u>1,716</u>
Total New Meters	641	653	653	653	653	2,612
Average Installed Cost/Meter						
Underground	\$136	\$140	\$144	\$149	\$153	\$147
Overhead	\$136	\$140	\$144	\$149	\$153	\$147

REQUIRED CONSTRUCTION ITEMS

Table 2-1
Construction Required to Serve New Members
Estimated 48-Month Work Plan Period

<u>New Members - System Wide</u>	<u>Average 2004-2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>TOTAL</u>
Cost of Meters						
Underground	\$29,920	\$31,360	\$32,256	\$33,376	\$34,272	\$131,264
Overhead	<u>\$57,256</u>	<u>\$60,060</u>	<u>\$61,776</u>	<u>\$63,921</u>	<u>\$65,637</u>	<u>\$251,394</u>
Total Cost Of New Meters	\$87,176	\$91,420	\$94,032	\$97,297	\$99,909	\$382,658
TOTAL COST OF NEW SERVICES	\$2,100,782	\$2,165,287	\$2,230,237	\$2,297,503	\$2,366,217	\$9,059,244

Table 2-2
Summary of Costs to Serve a New Member

<u>RUS Code</u>	<u>Category Description</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>TOTAL</u>
101	UG Lines - New Members	\$657,943	\$677,682	\$698,012	\$718,953	\$2,752,590
102	OH Lines - New Members	<u>\$1,190,604</u>	<u>\$1,226,322</u>	<u>\$1,263,112</u>	<u>\$1,301,005</u>	<u>\$4,981,043</u>
100	Total New Lines	\$1,848,547	\$1,904,004	\$1,961,124	\$2,019,958	\$7,733,633
601	UG Transformers - New Members	\$91,982	\$94,794	\$97,606	\$100,492	\$384,874
601	OH Transformers - New Members	\$133,338	\$137,407	\$141,476	\$145,858	\$558,079
601	Meters - New Meters	<u>\$91,420</u>	<u>\$94,032</u>	<u>\$97,297</u>	<u>\$99,909</u>	<u>\$382,658</u>
601	Total Transformers and Meters	\$316,740	\$326,233	\$336,379	\$346,259	\$1,325,611

2.2 Service Changes to Existing Members

Historical information was reviewed for a 24-month period from calendar years 2004 and 2005 to project service change requirements to existing members for the CWP period. The historical number of services was increased approximately 2.0% per year for the 2006-2010 CWP period. The historical costs were inflated by 3.0% per year.

Table 2-3
Construction Required for Service Changes to Existing Members

Estimated 48-Month Work Period

Service Charges to Existing Members	Average 2004-2005	2006	2007	2008	2009	TOTAL
Service Drop Upgrades						
Number of Service Drop Upgrades						
Underground & Overhead	<u>119</u>	<u>123</u>	<u>126</u>	<u>130</u>	<u>134</u>	<u>513</u>
TOTAL SERVICE UPGRADES	119	123	126	130	134	513
Average Cost/Service Drop Upgrade						
Underground & Overhead	\$1,359	\$1,400	\$1,442	\$1,485	\$1,530	\$1,464
Cost of Service Drop Upgrades						
Underground & Overhead	<u>\$161,721</u>	<u>\$172,200</u>	<u>\$181,692</u>	<u>\$193,050</u>	<u>\$205,020</u>	<u>\$751,962</u>
TOTAL COST OF SERVICE UPGRADES	\$161,721	\$172,200	\$181,692	\$193,050	\$205,020	\$751,962
Number of Transformer Replacements						
Underground & Overhead	<u>8</u>	<u>8</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>34</u>
Total Transformer Replacements	8	8	8	9	9	34
Average Cost/Transformer Replacement						
Underground & Overhead	\$413	\$425	\$438	\$451	\$465	\$445
Cost of Transformers						
Underground & Overhead	<u>\$3,304</u>	<u>\$3,400</u>	<u>\$3,504</u>	<u>\$4,059</u>	<u>\$4,185</u>	<u>\$15,148</u>
TOTAL COST OF TRANSFORMER REPLACEMENTS	\$3,304	\$3,400	\$3,504	\$4,059	\$4,185	\$15,148
Number of Meter Replacements						
Underground & Overhead	<u>1,000</u>	<u>1,000</u>	<u>1,000</u>	<u>1,000</u>	<u>1,000</u>	<u>4,000</u>
Total Meter Replacements	1,000	1,000	1,000	1,000	1,000	4,000
Average Cost/Meter Replacement						
Underground & Overhead	\$65	\$67	\$69	\$71	\$73	\$70
Cost of Meters						
Underground & Overhead	<u>\$65,000</u>	<u>\$67,000</u>	<u>\$69,000</u>	<u>\$71,000</u>	<u>\$73,000</u>	<u>\$280,000</u>
TOTAL COST OF METER REPLACEMENTS	\$65,000	\$67,000	\$69,000	\$71,000	\$73,000	\$280,000

REQUIRED CONSTRUCTION ITEMS

**Table 2-4
Summary of Costs for Service Changes**

RUS						
Code	Category Description	2006	2007	2008	2009	TOTAL
602	UG & OH Service Drops	\$172,200	\$181,692	\$193,050	\$205,020	\$751,962
602	Total Service Drops	\$172,200	\$181,692	\$193,050	\$205,020	\$751,962
608	UG & OH Transformer Replacements	\$3,400	\$3,504	\$4,059	\$4,185	\$15,148
608	Total Transformer Replacements	\$3,400	\$3,504	\$4,059	\$4,185	\$15,148
601	Meter Replacements	\$67,000	\$69,000	\$71,000	\$73,000	\$280,000
608	Total Meter Replacements	\$67,000	\$69,000	\$71,000	\$73,000	\$280,000

2.3 Poles

Clark Energy replaces all poles found to be physically deteriorated by inspection. An average of 245 poles per year required replacement during the 24-month period from calendar years 2004 and 2005. For the CWP period, it was estimated that a total of 1,056 poles will be replaced due to poor physical condition.

Listed below is a summary of pole replacement cost for the 2006 – 2010 CWP period. The historical number of poles was increased approximately 3.0% per year, and the costs were inflated by 3.0% per year.

Total RUS Code 606 \$1,498,560

**Table 2-5
Poles**

Estimated 48-Month Work Period

	Average 2004-2005	2006	2007	2008	2009	TOTAL
<u>Pole Replacements</u>						
Number of Pole Replacements	245	252	260	268	276	1,056
Average Cost/Pole Replacement	\$1,316	\$1,355	\$1,396	\$1,438	\$1,481	\$1,419
TOTAL COST OF POLES	\$322,420	\$341,460	\$362,960	\$385,384	\$408,756	\$1,498,560

Summary of Costs for Pole Replacements

RUS						
Code	Category Description	2006	2007	2008	2009	TOTAL
606	Pole Replacements	\$341,460	\$362,960	\$385,384	\$408,756	\$1,498,560
606	Total Pole Replacements	\$341,460	\$362,960	\$385,384	\$408,756	\$1,498,560

2.4 Security Lights

For the 24-month period from calendar years 2004 and 2005, Clark Energy has installed an average of 631 security lights per year at an average cost of \$280 each. Clark Energy estimates that the cost will increase 3.0% a year during the CWP period. A summary of the security light costs for the CWP period is given below.

**Table 2-6
Miscellaneous Construction
Estimated 48-Month Work Period**

	<u>Average 2004-2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>TOTAL</u>
<u>Security Lights</u>						
Number of Security Lights	631	631	631	631	631	2,524
Average Cost/Security Lights	\$280	\$288	\$297	\$306	\$315	\$302
TOTAL COST OF SECURITY LIGHTS	\$176,680	\$181,728	\$187,407	\$193,086	\$198,765	\$760,986

Summary of Costs for Miscellaneous Construction

RUS		<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>TOTAL</u>
<u>Code</u>	<u>Category Description</u>					
702	Security Lights	\$181,728	\$187,407	\$193,086	\$198,765	\$760,986

2.5 SCADA

A SCADA system will be implemented in two stages through a cooperative venture with East Kentucky Power Cooperative to increase reliability and gain robust data logging and archiving capabilities. The SCADA system will provide quicker access to fault information and proactive alarms to power quality issues. Having the ability to monitor and control circuit status will increase productivity during outages and routine maintenance of the system. The following improvements are recommended for the 2006-2010 CWP.

- **RUS CODE 704-1** **\$25,000 in LL1**

Stage 1: Communications Feasibility Study

- **RUS CODE 704-2** **\$250,000 over LL2-LL4**

Stage 2: Install SCADA equipment at every substation in the Clark Energy service territory.

Total RUS Code 700 **\$1,035,986**

2.6 Conversion and Line Changes

Conversion and line changes to existing lines were recommended to reduce voltage drop or relieve conductor loading. Switching load to other feeders was also evaluated when appropriate. Line regulators were considered as an alternative to improve voltage drop problems; however, no more than two line regulators were used in series.

Line and equipment costs were inflated by 3.0% per year based on the anticipated year of construction. Costs of carry-over projects were updated based on the existing line and equipment costs. The following conversions and line changes were recommended for the 2006-2010 CWP.

Bowen -Circuit 1

- **RUS funds are not requested.** **LL1**

Description: Transfer the single-phase tap at section PL.26854 from B-phase to A-phase, and transfer the single-phase tap at section PL.39059 from B-phase to C-phase. The transfers are recommended to relieve conductor loading greater than 50% in summer peak loading conditions. Before improvements, the B-phase of the line serving these single-phase sections was loaded to 74% of capacity. With the recommended improvements, the loading was reduced to 46%.

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: Circuit 1 is a radial feeder on the southeastern edge of the service territory; therefore, no load transfer options are available to reduce the loading on the feeder. The additional expense of upgrading the overloaded conductor was postponed with the recommended load balance.

Bowen – Circuit 3

- **RUS funds are not requested.** **LL1**

Description: Open switch PD.20, and close switch PD.21 to move load to Bowen 1. The project is recommended to improve voltage problems in summer peak loading conditions. Before improvements, a minimum voltage of 117 V was calculated on sections on Bowen 3. With the recommended improvements, the voltage was increased to 119 V.

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: The addition of a regulator or multi-phasing parts of the extended single-phase line was considered to correct the voltage deficiency. However, neither of these options were selected at this time due to the required additional expense.

Clay City -Circuit 2

- **RUS CODE – 324 Carry-over** **\$140,600 in LL1**
- **PROJECT NAME – Hwy 15\Hwy 82**

Description: Based on the project description from the 2003 – 2005 Construction Work Plan, reconductor and multi-phase from single-phase 2 ACSR and 4 ACSR to three-phase 336 ACSR for approximately 8,300 feet. Also, multi-phase from single-phase 336 ACSR to three-phase 336 ACSR for approximately 420 feet. The project was recommended to improve voltage and feeder balance. Also, it is a tie to Hardwick’s Creek Circuit 3.

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: The reconductor required to improve voltage and feeder balance on Circuit 2 would impose a similar condition on Hardwick’s Creek Circuit 3. In addition, upgrading the conductor on Circuit 2 was recommended to strengthen the tie to Hardwick’s Creek.

Clay City -Circuit 2

- **RUS CODE – 342** **\$127,500 in LL1**
- **PROJECT NAME – New Clay City Circuit**

Description: Reconductor the existing overhead along the existing transmission R.O.W. with double circuit 336 ACSR from section PL.42670 to the single-phase tap at section PL.17989 for approximately 2,200 feet. Transfer the single-phase tap at section PL.17989 to the newly reconductor circuit. Reconductor from the normally open switch PD.2357 back, north and south, to three-phase 336 ACSR for approximately 4,600 feet. Lastly, close switch PD.2357 to switch the load from Clay City 2 to Clay City 3. The project is recommended to relieve conductor loading greater than 50% in summer peak loading conditions. Before improvements, sections on Clay City 2 were loaded to 86% of capacity. With the recommended improvements, the loading was reduced to 35%.

Sectionalizing: Open and remove recloser PD.3577, and remove recloser PD.3371.

Alternatives: Upgrading the existing Circuit 2 backbone to 795 ACSR was considered to be an expensive solution that would provide less reliability than the proposed expansion of an underutilized circuit. An alternate route following Circuit 2 was also considered; however, routing appeared to be more complicated which could result in a higher cost.

Clay City – Circuit 2

- RUS funds are not requested. LL2

Description: Open recloser PD.3639 and close at switch PD.146 to transfer load to Clay City 1. The project is recommended to relieve single-phase loading greater than 56 A in winter peak loading conditions. Before improvements, single-phase sections on Clay City 2 were loaded up to 67 A. With the recommended improvements, the loading was reduced to 49 A.

Sectionalizing: Replace (2) single-phase 50V4E reclosers with (2) single-phase 70V4E reclosers at PD.3363, and verify coordination with up-line devices.

Alternatives: The recommended switching was selected to avoid the additional expense of multi-phasing approximately 1.5 miles of single-phase line to relieve the loading condition.

Clay City -Circuits 1 & 2

- RUS CODE – 344 \$95,400 in LL1
- PROJECT NAME – Clay City Double Circuit

Description: Reconductor from section PL.10953 and section PL.16998 back to the substation from three-phase double circuit 4/0 ACSR to three-phase double circuit 336 ACSR for approximately 1,740 feet. Also, reconductor from section PL.30854 up-line to section PL.12376 from three-phase 4/0 ACSR to three-phase 336 ACSR for approximately 3,300 feet. Open recloser PD.3372 and transfer the tap to Clay City 2 by connecting section PL.1646 to section PL.16998 and closing switch PD.2732. The following transfers are also recommended:

- PL.16704 from A-phase to B-phase
- PL.16698 from A-phase to B-phase
- PL.22770 from A-phase to B-phase
- PL.27062 from C-phase to B-phase

The project is recommended to relieve conductor loading greater than 50% in summer peak loading conditions. Before improvements, sections on Clay City 1 were loaded up to 86% of capacity. With the recommended improvements, the loading was reduced to 30%.

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: The load transfer required to relieve the conductor loading condition on Circuit 1 would impose a similar condition on Mt. Sterling Circuit 3. In addition, upgrading the backbone conductor on Circuit 1 was recommended to strengthen the existing tie to Mt. Sterling.

Clay City – Circuit 4

- **RUS CODE – 345** **\$40,700 in LL2**
- **PROJECT NAME – Hwy 11**

Description: Reconductor and multi-phase from section PL.12950 up-line to section PL.42295 from single-phase 4 ACSR to three-phase 336 ACSR for approximately 2,450 feet. Transfer the single-phase tap at section PL.6104 from A-phase to B-phase, and transfer single-phase taps at sections PL.17125 and PL.16850 to C-phase. The project is recommended to relieve single-phase loading greater than 56 A in winter peak loading conditions. Also, these sections can provide a future tie to Mt. Sterling Substation. Before improvements, single-phase sections on Clay City 4 were loaded up to 63 A. With the recommended improvements, the single-phase loading issue was alleviated through multi-phasing and tap transfers.

Sectionalizing: Replace (3) single-phase 50L reclosers with (3) single-phase 70V4E reclosers at PD.8583.

Alternatives: The load transfer required to relieve the single-phase loading condition would impose a similar condition on the existing tie with Mt. Sterling.

Frenchburg -Circuit 1

- **RUS funds are not requested.** **LL1**

Description: Open recloser PD.7277, and close switch PD.403 to move load to Cave Run 2. Transfer the single-phase tap at section PL.41034 from C-phase to B-phase. The project is recommended to relieve conductor loading greater than 50% in summer peak loading conditions. Before improvements, sections on Frenchburg 1 were loaded up to 71% of capacity. With the recommended improvements, the loading was reduced to 13%. (See RUS CODE 347)

Sectionalizing and Regulation: Relocate regulator RG.11 from section PL.37744 to section PL.40908. Install (3) single-phase 100 A regulators at section PL.25505, and install (3) single-phase 50L reclosers at section PL.15556.

Alternatives: The recommended switching was selected to postpone the additional expense of upgrading approximately 4 miles of #6 ACWC to 336 ACSR to relieve the loading condition.

Frenchburg -Circuit 1

- RUS CODE – 347 \$54,800 in LL3
- PROJECT NAME – Hwy 36

Description: Reconductor approximately 3,200 feet of three-phase 6 ACWC and 1/0 CU to three-phase 336 ACSR from section PL.9733 up-line to the Frenchburg Substation. The project is recommended to relieve conductor loading greater than 50% in summer peak loading conditions. Before improvements, sections on Frenchburg 1 were loaded up to 71% of capacity. With the recommended improvements, the loading was reduced to 13%.(See previous Frenchburg – Circuit 1 project – No RUS CODE)

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: The conductor loading condition on Circuit 1 was not completely relieved with the load transfer in RUS Code 346. Additional load transfers would impose a similar condition on Cave Run Circuit 2. In addition, upgrading the backbone conductor on Circuit 1 was recommended to replace aging conductor and strengthen the existing tie to Cave Run.

Frenchburg – Circuit 2

- RUS CODE – 348 \$94,900 in LL3
- PROJECT NAME – Amos Ridge

Description: Reconductor and multi-phase from section PL.6369 up-line to section PL.18257 from single-phase 4 ACSR to V-phase 1/0 ACSR for approximately 6,460 feet. Transfer the single-phase tap at section PL.19961 from B-phase to A-phase. The project is recommended to improve voltage problems in winter peak loading conditions. Before improvements, a minimum voltage of 116 V was calculated at the end of the line on Frenchburg 2. With the recommended improvements, the voltage was increased to 123 V.

Sectionalizing and Regulation: Install a single-phase 100 A voltage regulator at section PL.19961, and remove single-phase 25 V4E recloser PD.3512. Install (2) single-phase 50 V4E reclosers at section PL.18258, and relocate recloser PD.3101 from PL.46105 to the source end of section PL.11954. Install (1) three-phase VWVE reclosers at section PL.7377.

Alternatives: The load transfer required to relieve the single-phase loading condition would impose a similar condition on the existing tie with Circuit 3.

Frenchburg -Circuit 3

- **RUS CODE – 374** **\$84,100 in LL2**
- **PROJECT NAME – Indian Creek**

Description: Reconductor sections PL.6294 and PL.18031 and from section PL.12013 up-line to section PL.20787 from three-phase 6 ACWC to three-phase 1/0 ACSR for approximately 5,900 feet. The project is recommended to relieve conductor loading greater than 50% in summer peak loading conditions. Before improvements, sections on Frenchburg 3 were loaded up to 59% of capacity. With the recommended improvements, the loading was reduced to 35%.

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: This radial tap serves the Saw Mill, and no load transfer options are available to reduce the loading on the feeder.

Frenchburg -Circuit 3

- **RUS CODE – 349** **\$117,800 in LL1**
- **PROJECT NAME – Downtown Frenchburg**

Description: Reconductor from section PL.6310 up-line to section PL.7378 from three-phase 2 ACSR to three-phase 336 ACSR for approximately 7,300 feet. Transfer the single-phase tap at section PL.6232 from B-phase to C-phase. The project is recommended to relieve conductor loading greater than 50% in summer peak loading conditions. Before improvements, sections on Frenchburg 3 were loaded up to 82% of capacity. With the recommended improvements, the loading was reduced to 24%.

Sectionalizing: Remove recloser PD.8192. Install a three-phase VWVE recloser at section PL.6294, and install (3) single-phase 70L reclosers at section PL.21490.

Alternatives: Transferring load using the existing tie with Jeffersonville would require conversion from 12.5/7.2 kV to 24.9/14.4 kV or the addition of a large step transformer. However, the required load transfers would impose a similar condition on Jeffersonville Circuit 2. In addition, upgrading the backbone conductor on Circuit 3 was recommended to strengthen the service to the new Saw Mill.

Frenchburg -Circuit 4

- RUS CODE – 350 \$44,000 in LL1
- PROJECT NAME – Leatherwood

Description: Relocate auto-transformer ST.27 to the source end of section PL.28533, and convert line sections from PL.46583 to PL.28532 from 7.2 kV to 14.4 kV. The total length of single-phase line is approximately 26,086 feet. This project is recommended to improve voltage problems in summer peak loading conditions. Before improvements, the minimum voltage at the end of the line was calculated to be 113 V. With the recommended improvements, the voltage was improved to 123 V.

Regulation: Install a single-phase 100 A voltage regulator at the new auto-transformer location, ST.27.

Alternatives: The single-phase tap is radial with no available load transfer options. In addition, several transformer locations have been prepared for the voltage conversion.

Hardwick's Creek – Circuit 2

- RUS funds are not requested. LL1

Description: Open between sections PL.20090 and PL.20089, and close between sections PL.32827 and PL.12780. The project is recommended to relieve single-phase loading greater than 56 A in winter peak loading conditions. Before improvements, single-phase sections on Hardwick's Creek 2 were loaded up to 81 A. With the recommended improvements, the loading was reduced to 51 A.

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: The recommended switching was selected to avoid the additional expense of multi-phasing approximately 1.6 miles of single-phase line to relieve the loading condition.

Hardwick's Creek – Circuit 2

- RUS funds are not requested. LL2

Description: Transfer the following single-phase taps from A-phase to C-phase:

- PL.15239
- PL.26675
- PL.15233
- PL.15229
- PL.15231

The project is recommended to relieve conductor loading greater than 50% in summer peak loading conditions. Before improvements, sections on Hardwick's Creek 2 were

loaded up to 63% of capacity. With the recommended improvements, the loading was reduced to 44%. (See RUS CODE – 352)

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: The recommended switching was selected to postpone the additional expense of upgrading approximately 0.75 miles of #1/0 ACSR to 336 ACSR to relieve the loading condition. Circuit 2 is also a radial feeder on the southern edge of the service territory; therefore, no load transfer options are available to reduce the loading on the feeder.

Hardwick's Creek – Circuit 2

- **RUS CODE – 352** **\$67,700 in LL2**
- **PROJECT NAME – Lone Oak**

Description: Multi-phase section PL.44285 up-line to section PL.44266 from V-phase 2ACSR to three-phase 2 ACSR for approximately 5,100 feet. Transfer single-phase taps PL.44348 and PL.15339 to B-phase, and transfer single-phase tap PL.15340 to A-phase. The project is recommended to relieve single-phase loading greater than 56 A and improve voltage problems in winter peak loading conditions. Before improvements, single-phase sections on Hardwick's Creek 2 were loaded to 74 A and a minimum voltage of 113V was calculated at the end of the line. With the recommended improvements, the single-phase loading issue was alleviated through multi-phasing and tap transfers. In addition, the voltage at the end of the line was improved to 121 V. (See previous Hardwick's Creek – Circuit 2 project – No RUS CODE)

Sectionalizing and Regulation: Install a single-phase 100 A voltage regulator at section PL.44348. Install (2) single-phase 35 V4E reclosers and (1) single-phase VXE recloser at section PL.44266. Relocate single-phase 50V4E recloser PD.3432 from section PL. 44162 to section PL. 12870.

Alternatives: The radial tap is on the southern edge of the service territory; therefore, no load transfer options are available to reduce the loading on the tap.

Hardwick's Creek – Circuit 3

- RUS funds are not requested. LL1

Description: Transfer single-phase taps at sections PL.12776 and PL.12774 to A-phase, and transfer the single-phase taps at sections PL.8180 and PL.12770 to C-phase. The project is recommended to relieve improve voltage problems in winter peak loading conditions. Before improvements, a minimum voltage of 117 V was calculated on sections on Hardwick's Creek 3. With the recommended improvements, voltage was improved to 122 V.

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: The addition of a regulator was considered to correct the voltage deficiency. However, this option was not selected at this time to postpone the required additional expense.

Hinkston – Circuit 2

- RUS CODE – 354 \$59,500 in LL1
- PROJECT NAME – Van Thompson

Description: Reconductor and multi-phase section PL.14542 up-line to section PL.27300 from single-phase 4 ACSR to three-phase 1/0 ACSR for approximately 4,300 feet. Transfer the single-phase tap at section PL.18654 to A-phase, and transfer the single-phase tap at section PL.18854 to B-phase. The project is recommended to relieve single-phase loading greater than 56 A in summer loading conditions. Before improvements, single-phase sections on Hinkston 2 were loaded up to 65 A. With the recommended improvements, the single-phase loading issue was alleviated through multi-phasing and tap transfers.

Sectionalizing: Add (2) single-phase 50 V4E reclosers at existing single-phase recloser PD.3510.

Alternatives: With the multi-phasing in RUS Code 355, a transfer to the upgraded circuit was considered to relieve the single-phase loading condition; however, the load transfers would impose a similar condition on the upgraded circuit and require additional multi-phasing. The proposed improvements were selected as the least cost option for the identified deficiencies.

Hinkston – Circuit 3

- RUS CODE – 355 \$122,500 in LL4
- PROJECT NAME – Hwy 60/Mtn View

Description: Reconductor and multi-phase section PL.26368 up-line to section PL.20218 from single-phase 4 ACSR to three-phase 1/0 ACSR for approximately 8,100 feet. Transfer single-phase tap at section PL.13327 to C-phase. The project is recommended to relieve single-phase loading greater than 56 A in winter peak loading conditions. Before improvements, single-phase sections on Hardwick’s Creek 2 were loaded up to 58 A. With the recommended improvements, the single-phase loading issue was alleviated through multi-phasing and tap transfers.

Sectionalizing: Install (2) single-phase 50 V4E reclosers at existing recloser PD.2643.

Alternatives: Load transfers would impose a similar condition on the available tie circuits; therefore, no other options are available to reduce the loading on the tap.

Jeffersonville – Circuit 2

- RUS funds are not requested. LL1

Description: Open switch PD.7309, and close switch PD.225 to move load to Frenchburg 3. The project is recommended to improve voltage problems in summer peak loading conditions. Before improvements, a minimum voltage of 116 V was calculated on sections on Jeffersonville 2. With the recommended improvements, the voltage was increased to 121 V.

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: The addition of a regulator was considered to correct the voltage deficiency. However, this option was not selected at this time to postpone the required additional expense.

Mariba – Circuit 3

- RUS funds are not requested. LL1

Description: Transfer the following single-phase taps from A-phase to B-phase:

- PL.6060
- PL.2140
- PL.2137
- PL.6059
- PL.20370
- PL.27785

Because this is a radial tap, design criteria limits loading to 80%. However, load balancing was achieved through switching. Before improvements, sections on Mariba 3 were loaded up to 67% of capacity. With the recommended improvements, the loading was reduced to 55%.

Regulation: Install (3) single-phase 100 A voltage regulators at section PL.12389.

Alternatives: The recommended switching was selected to postpone the additional expense of upgrading over 2.3 miles of #6 ACWC to #1/0 ACSR to relieve the loading condition. Circuit 3 is also a radial feeder on the eastern edge of the service territory; therefore, no load transfer options are available to reduce the loading on the feeder.

Miller Hunt – Circuit 2

- RUS CODE – 305 – Modified Carry-over \$186,900 in LL1
- PROJECT NAME – Hwy 89/Ruckerville

Description: Reconductor and multi-phase line section PL.16724 up-line to section PL.34502 from single-phase 4 ACSR to three-phase 1/0 ACSR for approximately 13,500 feet. Open at fuse PD.2719, and close at switch PD.2476 to shift load on the circuit. The project is recommended to relieve single-phase loading greater than 56 A in winter peak loading conditions. Before improvements, single-phase sections on Miller Hunt 2 were loaded up to 74 A. With the recommended improvements, the single-phase loading issue was alleviated through multi-phasing.

Sectionalizing: Replace a single-phase 70L recloser with (3) single-phase 70 V4E reclosers at PD.3593.

Alternatives: Load transfers would impose a similar condition on the available tie circuits; therefore, no other options are available to reduce the loading on the tap.

Mt. Sterling – Circuit 2

- **RUS CODE – 358** **\$27,100 in LL2**
- **PROJECT NAME – Nest Egg**

Description: Reconductor and multi-phase section PL.15690 up-line to section PL.28126 from single-phase 4 ACSR to three-phase 1/0 ACSR for approximately 1,900 feet. Transfer the single-phase tap at section PL.15691 to B-phase, and transfer the single-phase tap at section PL.28190 to C-phase. The project is recommended to relieve single-phase loading greater than 56 A in winter peak loading conditions. Before improvements, single-phase sections on Mt. Sterling 2 were loaded up to 62 A. With the recommended improvements, the single-phase loading issue was alleviated through multi-phasing and tap transfers.

Sectionalizing: Relocate the single-phase 70 V4E recloser PD.3343 to PL.59, and add (2) 70 V4E reclosers at the new location.

Alternatives: Load transfers would impose a similar condition on the available tie circuits; therefore, no other options are available to reduce the loading on the tap.

Reid Village – Circuit 1

- **RUS CODE – 360** **\$203,300 in LL1**
- **PROJECT NAME – Hwy 60/Sewell Shop**

Description: Reconductor line section PL.12187 up-line to the substation from three-phase 4 ACSR and 1/0 ACSR to three-phase 336 ACSR for approximately 12,600 feet. Transfer the single-phase tap at section PL.46371 from B-phase to A-phase. The project is recommended to relieve conductor loading greater than 50% and improve voltage problems in summer peak loading conditions. Before improvements, sections on Reid Village 1 were loaded up to 75% of capacity, and a minimum voltage of 116 V was calculated at the end of the line. With the recommended improvements, the loading was reduced to 23%, and the voltage was improved to 123 V.

Regulation: Install (3) single-phase 100 A voltage regulators at section PL.12311.

Alternatives: Transferring load using the existing tie with Miller Hunt would impose a similar condition. In addition, the recommended reconductor was selected to upgrade sections of the backbone feeder that are limiting the capacity of the tie to Miller Hunt.

Reid Village – Circuit 2

- RUS funds are not requested. LL1

Description: Transfer the single-phase taps at sections PL.26502 and PL.28941 from A-phase to B-phase. The project is recommended to relieve conductor loading greater than 50% in summer peak loading conditions. Before improvements, sections on Reid Village 2 were loaded up to 58% of capacity on A-phase. With the recommended improvements, the loading was reduced to 44%.

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: The recommended switching was selected to postpone the additional expense of upgrading approximately 0.5 miles of #1/0 ACSR to 336 ACSR to relieve the loading condition.

Sideview – Circuit 1

- RUS CODE – 362 \$204,500 in LL2
- PROJECT NAME – Rock Ridge

Description: Reconductor and multi-phase section PL.24796 up-line to section PL.12440 from single-phase 4 ACSR to three-phase 1/0 ACSR for approximately 14,340 feet. Transfer the single-phase tap at section PL.11621 to B-phase, and transfer the single-phase taps at sections PL.38200, PL.23649, and PL.18563 to C-phase. The project is recommended to relieve single-phase loading greater than 56 A in winter peak loading conditions. Before improvements, single-phase sections on Sideview 1 were loaded up to 64 A. With the recommended improvements, the single-phase loading issue was alleviated through multi-phasing and tap transfers.

Sectionalizing: Replace single-phase 50 V4E recloser PD.3111 with a single-phase 70 V4E recloser. Remove the recloser at PD.3118, and install (1) three-phase VWVE recloser at PD.305.

Alternatives: The radial tap is on the northern edge of the service territory; therefore, no load transfer options are available to reduce the loading on the tap.

Sideview – Circuit 3

- **RUS funds are not requested.** **LL2**

Description: Open at three-phase line section PL.12078 and close to switch PD.6882 to move load to Reid Village 1. The project is recommended to relieve conductor loading greater than 50% and improve voltage problems in summer peak loading conditions. Before improvements, sections on Sideview 3 were loaded up to 54% of capacity, and a minimum voltage of 115 V was calculated at the end of the line. With the recommended improvements, the loading was reduced to 28%, and the voltage was improved to 124 V.

Sectionalizing: Replace recloser PD.3554 with (3) single-phase 70V4E reclosers, and remove recloser PD.3519.

Alternatives: The recommended switching was selected to postpone the additional expense of upgrading over 2.1 miles of #6 ACWC to 336 ACSR to relieve the loading condition, and takes advantage of the backbone conductor upgrade for Reid Village Circuit 1 recommended in RUS Code 360.

Sideview – Circuit 4

- **RUS CODE – 364** **\$201,100 in LL2**
- **PROJECT NAME – Hwy 627**

Description: Reconductor and multi-phase section PL.42588 up-line to section PL.10394 from single-phase 4 ACSR to three-phase 1/0 ACSR for approximately 14,100 feet. Transfer the single-phase tap at section PL.25421 to A-phase, and transfer the single-phase taps at sections PL.6594 and PL.42916 to C-phase. The project is recommended to relieve single-phase loading greater than 56 A in winter peak loading conditions. Before improvements, single-phase sections on Sideview 4 were loaded up to 71 A. With the recommended improvements, the single-phase loading issue was alleviated through multi-phasing and tap transfers.

Sectionalizing: Replace single-phase 50 E recloser PD.8314 with (3) single-phase 70 V4E reclosers.

Alternatives: Load transfers would impose a similar condition on the available tie circuits; therefore, no other options are available to reduce the loading on the tap.

Stanton – Circuit 2

- RUS CODE – 365 \$16,100 in LL1
- PROJECT NAME – Hwy 15\Elkins Street

Description: Reconductor sections from PL.19856 up-line to PL.28417 from three-phase 1/0 CU to three-phase 336 ACSR for approximately 1,000 feet. Transfer the single-phase tap at section PL.27418 from B-phase to A-phase. The project is recommended to relieve conductor loading greater than 50% in summer peak loading conditions. Before improvements, sections on Stanton 2 were loaded up to 62% of capacity. With the recommended improvements, the loading was reduced to 38%.

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: Load transfers would impose a similar condition on the available tie circuits; therefore, no other options are available to reduce the loading on the tap. In addition, the recommended reconductor was selected to upgrade sections of the backbone feeder that are limiting the capacity of the tie to other Stanton circuits and Bowen Substation.

Stanton – Circuit 3

- RUS CODE – 366 \$32,300 in LL1
- PROJECT NAME – Hatton Creek

Description: Reconductor sections from PL.13271 up-line to PL.17293 from three-phase 1/0 ACSR to three-phase 336 ACSR for approximately 2,000 feet. Transfer the single-phase taps at sections PL.37892 and PL.39561 from B-phase to A-phase, and transfer the single-phase tap at section PL.38845 from A-phase to B-phase. The project is recommended to relieve conductor loading greater than 50% and improve voltage problems in summer peak loading conditions. Before improvements, sections on Stanton 3 were loaded up to 61% of capacity, and a minimum voltage of 117 V was calculated at the end of the line. With the recommended improvements, the loading was reduced to 29%, and the voltage was improved to 120 V.

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: Load transfers would impose a similar condition on the available tie circuits; therefore, no other options are available to reduce the loading on the tap. The proposed improvements were selected as the least cost option for the identified deficiencies.

Stanton – Circuit 4

- **RUS CODE – 367** **\$53,200 in LL2**
- **PROJECT NAME – Lower Paint Creek**

Description: Reconductor and multi-phase section PL.34830 up-line to section PL.17519 from single-phase 4 ACSR to three-phase 336 ACSR for approximately 3,200 feet. Transfer the single-phase taps at sections PL.27294 and PL.38800 to C-phase. All remaining customers and taps on the new three-phase line should be transferred from B-phase to A-phase. The project is recommended to relieve single-phase loading greater than 56 A in winter peak loading conditions. Also, it is a possible tie to Clay City Substation. Before improvements, single-phase sections on Stanton 4 were loaded up to 66 A. With the recommended improvements, the single-phase loading issue was alleviated through multi-phasing and tap transfers.

Sectionalizing: Add (2) single-phase 70 V4E reclosers to the existing single-phase recloser at PD.3626.

Alternatives: Load transfers would impose a similar condition on the available tie circuits; therefore, no other options are available to reduce the loading on the tap. The proposed improvements were selected as the least cost option for the identified deficiencies.

Stanton – Circuit 4

- **RUS CODE – 368** **\$122,600 in LL1**
- **PROJECT NAME – New Stanton Circuit**

Description: Add a three-phase 336 ACSR circuit to the existing circuit for Stanton circuits 1 and 2 from the substation to line section PL.14056. The total length is approximately 3,800 feet. Transfer the three-phase tap at section PL.14056 from Stanton 1 to the new circuit. Open at switch PD.4345, and close at switch PD.4359 to move load from Stanton 4 to the new circuit. The project is recommended to relieve conductor loading greater than 50% in summer peak loading conditions. Before improvements, sections on Stanton 4 were loaded up to 58% of capacity. With the recommended improvements, the loading was reduced to 24%.

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: Upgrading the existing Circuit 4 backbone to 795 ACSR was considered to be an expensive solution that would provide less reliability than the addition of proposed new circuit. An alternate route following Circuit 4 was also considered; however, the alternate route was significantly longer resulting in a higher cost.

Trapp – Circuit 2

- RUS CODE – 369 \$23,500 in LL2
- PROJECT NAME – Log Lick

Description: Reconductor and multi-phase section PL.3911 up-line to section PL.17231 from single-phase 4 ACSR to three-phase 1/0 ACSR for approximately 1,650 feet. Transfer the single-phase tap at section PL.10879 to B-phase, and transfer the single-phase tap at section PL.20569 to A-phase. The project is recommended to relieve single-phase loading greater than 56 A in winter peak loading conditions. Before improvements, single-phase sections on Trapp 2 were loaded up to 59 A. With the recommended improvements, the single-phase loading issue was alleviated through multi-phasing and tap transfers.

Sectionalizing: Add (2) single-phase 70 L reclosers to the existing single-phase recloser at PD.3607. Remove reclosers PD.3609 and PD.3608.

Alternatives: No load transfer options available are to reduce the loading on the tap.

Treehaven – Circuit 2

- RUS funds are not requested. LL1

Description: Transfer the single-phase tap at section PL.42962 from A-phase to B-phase, and transfer the single-phase tap at section PL.25567 from A-phase to C-phase. Because this is a radial tap, design criteria limits loading to 80%. However, load balancing was achieved through switching. Before improvements, sections on Treehaven 2 were loaded up to 59% of capacity. With the recommended improvements, the loading was reduced to 54%.

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: The recommended switching was selected to postpone the additional expense of upgrading over 0.1 miles of #1/0 ACSR to 336 ACSR to relieve the loading condition.

Union City – Circuit 2

- RUS CODE – 371 \$145,400 in LL1
- PROJECT NAME – Charlie Norris Road

Description: Multi-phase from section PL.21665 up-line to section PL.37583 from single-phase 1/0 ACSR to three-phase 1/0 ACSR for approximately 10,500 feet. Transfer the following single-phase taps to A-phase:

- PL.36756
- PL.20734
- PL.19973
- PL.45471
- PL.17666

Also, transfer the single-phase taps at sections PL.45473 and PL.36758 to C-phase. The project is recommended to relieve conductor loading greater than 50% in summer peak loading conditions and single-phase loading greater than 56 A in winter peak loading conditions. Before improvements, sections on Union City 2 were loaded up to 62% of capacity at the projected summer peak and up to 70 A on a single-phase section at the projected winter peak. With the recommended improvements, the loading was reduced to 44% and the single-phase loading issue was alleviated through multi-phasing.

Sectionalizing: Replace the existing 50V4E recloser PD.3297 with a three-phase VWVE recloser. Replace the existing 25V4E recloser PD.3301 with a single-phase 35V4E, and remove single-phase recloser PD.3302. Install a single-phase 50V4E at section PL.21867, and install a single-phase 35V4E at section PL.36758. Install a fuse on the tap at section PL.36756.

Alternatives: The radial tap is on the southern edge of the service territory; therefore, no load transfer options are available to reduce the loading on the tap.

Van Meter – Circuit 3

- RUS funds are not requested.

LL1

Description: Transfer the following single-phase taps from A-phase to B-phase:

- PL.18668
- PL.44704
- PL.18215
- PL.45495
- PL.25546
- PL.9485

Open at recloser PD.3535 and close at switch PD.421. The project is recommended to relieve conductor loading greater than 50% in summer peak loading conditions. Before improvements, sections on Van Meter 3 were loaded up to 56% of capacity. With the recommended improvements, the loading was reduced to 48%.

Sectionalizing: Device coordination was reviewed based on the recommended changes, and no improvements are required.

Alternatives: The recommended switching was selected to postpone the additional expense of upgrading over 2.5 miles of #1/0 ACSR to 336 ACSR to relieve the loading condition.

Total RUS Code 300 \$2,265,500

2.7 Sectionalizing Equipment

Specific locations for sectionalizing equipment were identified in this report. For the 2006 - 2010 CWP period, the following recloser recommendations are as follows. The cost was inflated by 3.0% per year.

Clay City -Circuit 2

- RUS CODE – 603-01 \$5,000 in LL1

Description: Open and remove recloser PD.3577, and remove recloser PD.3371. (See RUS CODE – 342)

Clay City – Circuit 2

- RUS CODE - 603-02 \$12,200 in LL2

Description: Replace (2) single-phase 50V4E reclosers with (2) single-phase 70V4E reclosers at PD.3363, and verify coordination with up-line devices.

Clay City – Circuit 4

- RUS CODE – 603-03 \$17,300 in LL2

Description: Replace (3) single-phase 50L reclosers with (3) single-phase 70V4E reclosers at PD.8583. (See RUS CODE - 345)

Frenchburg -Circuit 1

- RUS CODE – 603-04 \$9,300 in LL1

Description: Install (3) single-phase 50L reclosers at section PL.15556.

Frenchburg – Circuit 2

- RUS CODE – 603-05 \$43,200 in LL3

Description: Remove single-phase 25 V4E recloser PD.3512. Install (2) single-phase 50 V4E reclosers at section PL.18258, and relocate recloser PD.3101 from PL.46105 to the source end of section PL.11954. Install (1) three-phase VWVE reclosers at section PL.7377. (See RUS CODE – 348)

Frenchburg -Circuit 3

- RUS CODE – 603-06 \$39,200 in LL1

Description: Remove recloser PD.8192. Install a three-phase VWVE recloser at section PL.6294, and install (3) single-phase 70L reclosers at section PL.21490. (See RUS CODE – 349)

Hardwick's Creek – Circuit 2

- RUS CODE – 603-07 **\$13,700 in LL2**

Description: Install (2) single-phase 35 V4E reclosers and (1) single-phase VXE recloser at section PL.44266. Relocate single-phase 50V4E recloser PD.3432 from section PL. 44162 to section PL. 12870. (See RUS CODE – 352)

Hinkston – Circuit 2

- RUS CODE – 603-08 **\$6,800 in LL1**

Description: Add (2) single-phase 50 V4E reclosers at existing single-phase recloser PD.3510. (See RUS CODE – 354)

Hinkston – Circuit 3

- RUS CODE – 603-09 **\$7,400 in LL4**

Description: Install (2) single-phase 50 V4E reclosers at existing recloser PD.2643. (See RUS CODE – 355)

Miller Hunt – Circuit 2

- RUS CODE – 603-10 **\$11,800 in LL1**

Description: Replace a single-phase 70L recloser with (3) single-phase 70 V4E reclosers at PD.3593. (See RUS CODE – 305)

Mt. Sterling – Circuit 2

- RUS CODE – 603-11 **\$11,100 in LL2**

Description: Relocate the single-phase 70 V4E recloser PD.3343 to PL.59, and add (2) 70 V4E reclosers at the new location. (See RUS CODE – 358)

Sideview – Circuit 1

- RUS CODE – 603-12 **\$18,200 in LL2**

Description: Replace single-phase 50 V4E recloser PD.3111 with a single-phase 70 V4E recloser. Remove the recloser at PD.3118, and install (1) three-phase VWVE recloser at PD.305. (See RUS CODE – 362)

Sideview – Circuit 3

- RUS CODE – 603-13 **\$14,700 in LL2**

Description: Replace recloser PD.3554 with (3) single-phase 70V4E reclosers, and remove recloser PD.3519.

Sideview – Circuit 4

- RUS CODE – 603-14 \$12,200 in LL2

Description: Replace single-phase 50 E recloser PD.8314 with (3) single-phase 70 V4E reclosers. (See RUS CODE – 364)

Stanton – Circuit 4

- RUS CODE – 603-15 \$7,000 in LL2

Description: Add (2) single-phase 70 V4E reclosers to the existing single-phase recloser at PD.3626. (See RUS CODE – 367)

Trapp – Circuit 2

- RUS CODE – 603-16 \$12,200 in LL2

Description: Add (2) single-phase 70 L reclosers to the existing single-phase recloser at PD.3607. Remove reclosers PD.3609 and PD.3608. (See RUS CODE – 369)

Union City – Circuit 2

- RUS CODE – 603-17 \$41,700 in LL1

Sectionalizing: Replace the existing 50V4E recloser PD.3297 with a three-phase VWVE recloser. Replace the existing 25V4E recloser PD.3301 with a single-phase 35V4E, and remove single-phase recloser PD.3302. Install a single-phase 50V4E at section PL.21867, and install a single-phase 35V4E at section PL.36758. Install a fuse on the tap at section PL.36756. (See RUS CODE – 371)

TOTAL RUS CODE 603 \$283,000

2.8 Line Regulators

Specific locations for line regulators were identified to correct voltage drop problems as an alternative solution when switching was not feasible or reconductoring was more expensive and not necessary due to lightly loaded circuits. The total estimated cost was inflated 3.0% per year to the recommended year of the 2006-2010 CWP.

Frenchburg – Circuit 1

- RUS CODE – 604-01 **\$31,000 in LL1**

Description: Relocate regulator RG.11 from section PL.37744 to section PL.40908. Install (3) single-phase 100 A regulators at section PL.25505.

Frenchburg – Circuit 2

- RUS CODE – 604-02 **\$9,500 in LL3**

Description: Install a single-phase 100 A voltage regulator at section PL.19961. (See RUS CODE – 348)

Frenchburg -Circuit 4

- RUS CODE – 604-03 **\$9,000 in LL1**

Description: Install a single-phase 100 A voltage regulator at the new auto-transformer location, ST.27. (See RUS CODE – 350)

Hardwick's Creek – Circuit 2

- RUS CODE – 604-04 **\$9,300 in LL2**

Description: Install a single-phase 100 A voltage regulator at section PL.44348. (See RUS CODE – 352)

Mariba – Circuit 3

- RUS CODE – 604-05 **\$27,000 in LL1**

Description: Install (3) single-phase 100 A voltage regulators at section PL.12389.

Mt. Sterling – Circuit 3

- RUS CODE – 604-06 **\$27,000 in LL1**

Description: Install (3) single-phase 100 A voltage regulators at section PL.14236.

Reid Village – Circuit 1

- RUS CODE – 604-07 \$27,000 in LL1

Description: Install (3) single-phase 100 A voltage regulators at section PL.12311.
(See RUS CODE – 360)

Total RUS Code 604 \$139,800

2.9 Conductor Replacement

For the 2006 - 2010 CWP period, specific locations for conductor replacement were not identified in this report. Clark Energy plans to re-conductor approximately 10 miles per year on the system to improve reliability and replace aging conductors. The cost was inflated by 3.0% per year.

System Wide

- RUS CODE – 608 \$954,700

Re-conductor approximately 10 miles of conductors per year on the system to improve reliability and replace aging conductors. On the existing system, the amount of three-phase conductors to be replaced are approximately 30 miles of 6 ACWC and 34 miles of 4 ACSR. The amount of single-phase conductors with over 20 Amps of projected load to be replaced are approximately 130 miles of 4 ACSR. Approximately 3 miles of those three-phase conductors and 17 miles of those single-phase conductors are expected to be replaced with projects in this CWP. Costs for conductor replacement are based upon the assumption that lines will be re-conducted with #1/0 ACSR.

Total RUS Code 608 \$954,700

Total RUS Code 600 \$5,248,781

Section 3

ECONOMIC CONDUCTOR SELECTION

The data contained in this section details the assumptions which were used in the economic analysis of alternatives and economic conductor sections of this report.

3.1 Interest Rates

To determine a real interest rate, historical interest rates were reviewed relative to the rate of inflation. Historically, prime lending rates have been one to three percent greater than inflation. A conservative real interest rate of 2.0% was assumed, and when combined with a 3.0% inflation rate, the discount rate for economic analysis was 5.0%.

3.2 Fixed Annual Charge Rates

Fixed annual charge rates were developed based on Clark Energy's 2003-2005 operation and maintenance expense of the installed plant and an interest rate as previously developed. The fixed annual charge rates used are summarized in Table 3-1.

Table 3-1
Summary of Assumed Fixed Annual Charge Rates

Item	Plant ⁽¹⁾		
	Transmission	Substation	Distribution
Cost of Capital	5.00%	5.00%	5.00%
Depreciation	2.50%	2.00%	3.00%
Operation and Maintenance ⁽²⁾	3.00%	2.00%	4.60%
Taxes	0.05%	0.05%	0.05%
Insurance	0.05%	0.05%	0.05%
TOTAL	10.60%	9.10%	12.70%

Notes:

- (1) Rates expressed as a percent of original installed cost.
- (2) Transmission and substation O & M cost are assumed values.

3.3 Cost of Power

The cost of power in 2005 was \$0.0539 per kWh, based on information provided by Clark Energy. It is anticipated that trends for the current market will increase power costs during the planning period; therefore, power costs were assumed to increase at a rate of 2.0%.

3.4 Cost of Losses

The cost of losses was calculated based on the wholesale power cost of 0.0539 mills/kWh. The wholesale power costs were obtained from the 2005 Clark Energy Form 7 data. The calculated cost of losses was based on an average of the 2003, 2004 and 2005 monthly billing demands and an average annual load factor of 45.54%. The cost of losses to carry one kW of loss at peak is \$116.63. The calculation is given in Exhibit 4.

3.5 Economic Conductor Selection

Economic conductor selection includes the consideration of initial construction costs and the associated losses of the selected conductors. For two alternative conductors compared, there is generally a kW load at which the fixed costs associated with the construction, plus the variable costs related to line losses, are equal for the two alternatives. For loads less than the equal cost load, the smaller conductor should be selected, and for loads greater than such load, the larger conductor would be selected. There are many choices of conductor sizes, but as part of system operation, standard conductor sizes for overhead construction of #2 ACSR, #1/0 ACSR, 336 ACSR, and 795 ACSR have been selected by Clark Energy.

Since a distribution line is used for many years, economic conductor selection should include the consideration of the initial load, load growth, cost of losses, increases in power cost, the annual fixed cost, and the present worth of the dollars spent.

The load on the distribution line considered was expressed as the current annual peak load and was assumed to grow over the life cycle analyzed. The cost of power was assumed to remain constant and a thirty-year present-worth factor was developed for the cost of losses and for the annual fixed cost.

Two basic conditions arise as alternatives are compared. The first, and most often encountered alternative, is the timing of the conversion of an existing distribution line. The question is simply a comparison of which is more economical for the next year. Thus, based on economics alone, the existing distribution line should remain as long as the annual cost of the losses on the existing line is less than the annual cost of the losses, plus fixed costs on the new line. Generally, voltage-drop problems require conversion prior to economics.

The second alternative arises when a new line is to be constructed or an existing line must be changed for reasons other than economic conductor selection. Such conditions include voltage-drop, system changes, and reliability. Economic conductor

selection analyses were performed and a summary for new construction and change-out was prepared.

General guidelines were developed based on the following assumptions.

- Compound annual load growth 2.1%
- Annual cost of peak kW losses \$116.63
- Compound annual power cost increase 2.0%
- Fixed cost factor 12.7%
- Present worth discount factor 5.0%
- Distribution line cost estimates in Table 1-2

3.5.1 24.9/14.4 kV Operating Voltage

The following general guidelines were developed based upon the analysis described previously for overhead conductors at an operating voltage of 24.9/14.4 kV.

New single-phase distribution lines should generally be constructed with #1/0 ACSR if the load on the line will potentially grow to require conversion to three-phase. If the load will not grow requiring conversion to three-phase, #2 ACSR is adequate for single-phase construction for loads less than 806 kW.

The single-phase #1/0 ACSR lines should be converted to three-phase #1/0 ACSR based upon operating conditions and voltage-drop.

Existing three-phase distribution lines should be reconducted based on the following:

- For loads less than 1,650 kW: 2 ACSR
- For loads greater than 1,650 kW and less than 2,350 kW: 1/0 ACSR
- For loads greater than 2,350 kW and less than 6,000 kW: 336 ACSR
- For loads greater than 6,000 kW: 795 ACSR

New three-phase 24.9 kV distribution lines should be constructed with the following conductors at the initial load given as follows:

- For loads less than 1,650 kW: 2 ACSR
- For loads greater than 1,650 kW and less than 2,350 kW: 1/0 ACSR
- For loads greater than 2,350 kW and less than 6,000 kW: 336 ACSR
- For loads greater than 6,000 kW: 795 ACSR

Economic conductor selection curves for overhead conductors are graphically presented in Figures 3-1 through 3-5. The economic conductor selection curves and guides should be updated periodically based on changes in construction cost, power cost, or fixed operating cost.

SECTION 3

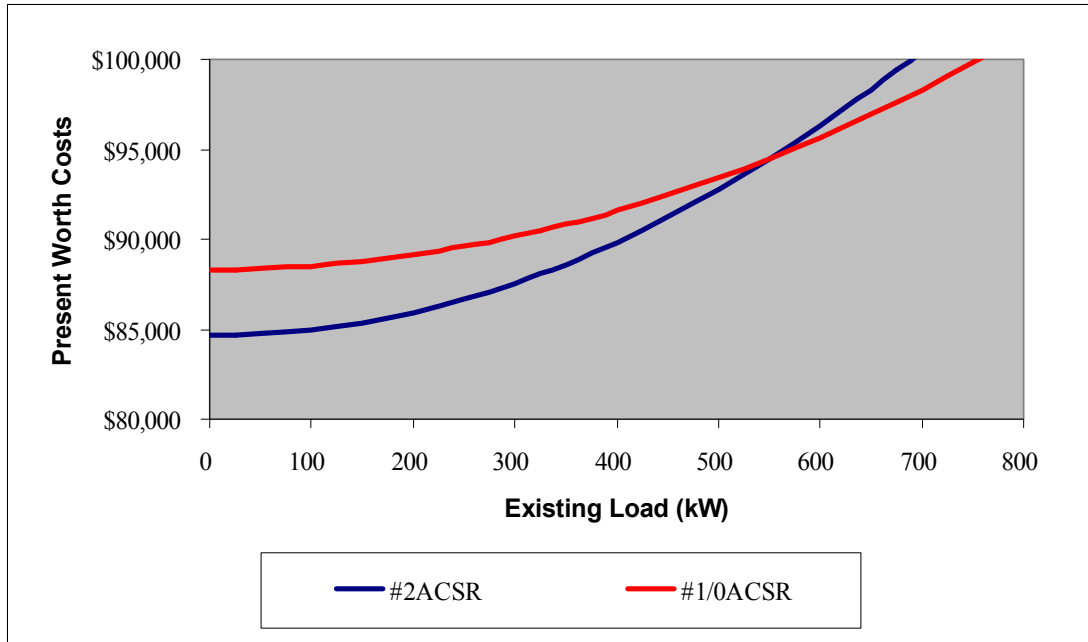


Figure 3-1: Single-Phase Construction 14.4 kV

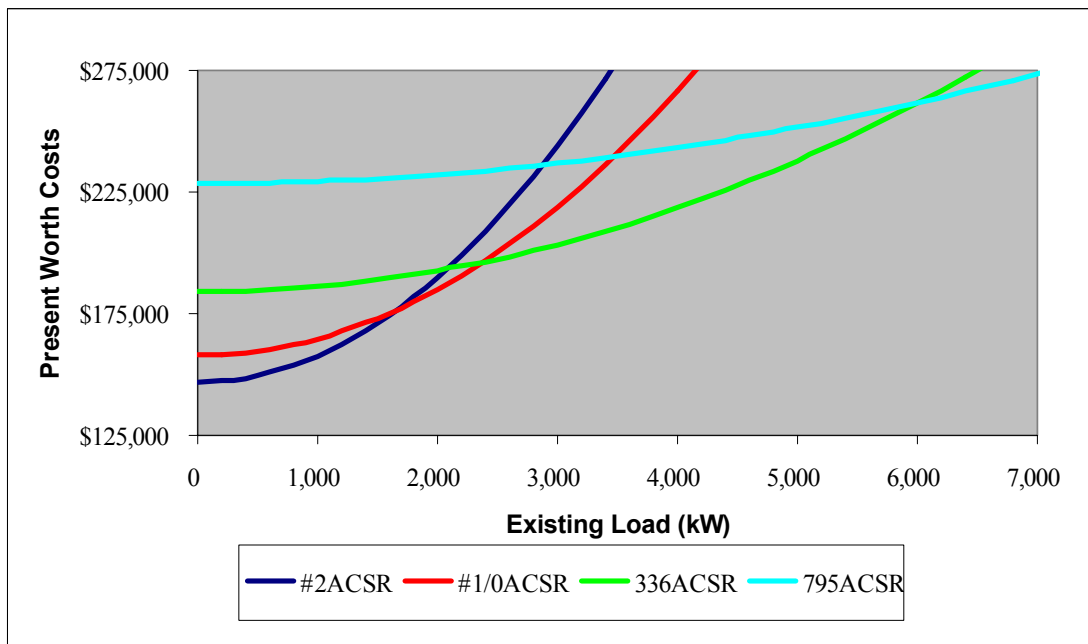


Figure 3-2: Three-Phase Construction 24.9 kV

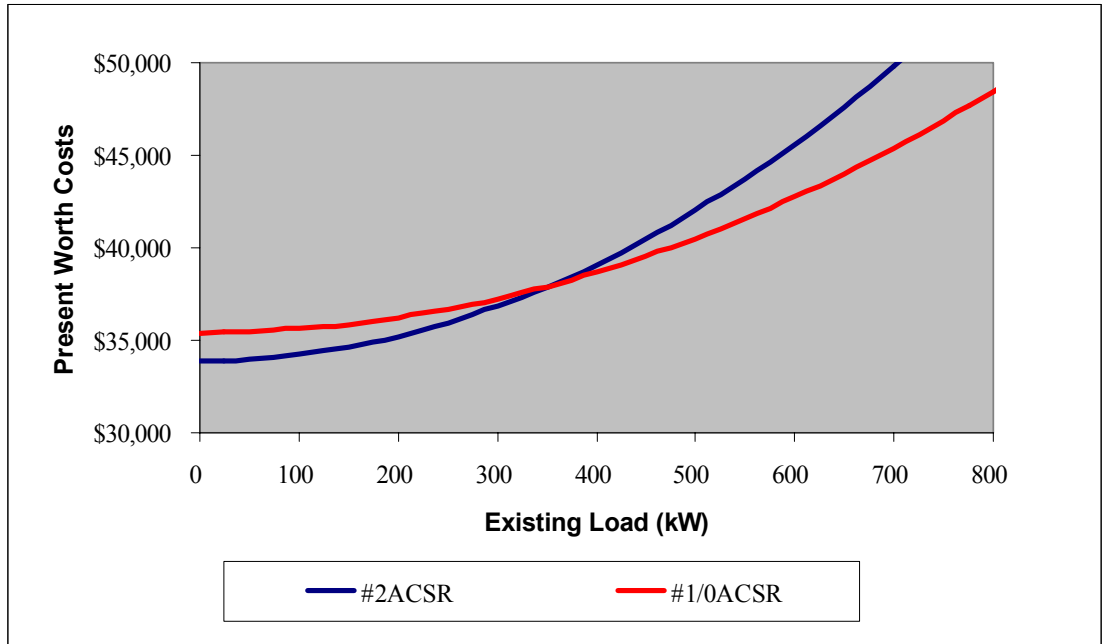


Figure 3-3: Single-Phase Reconductor 14.4 kV

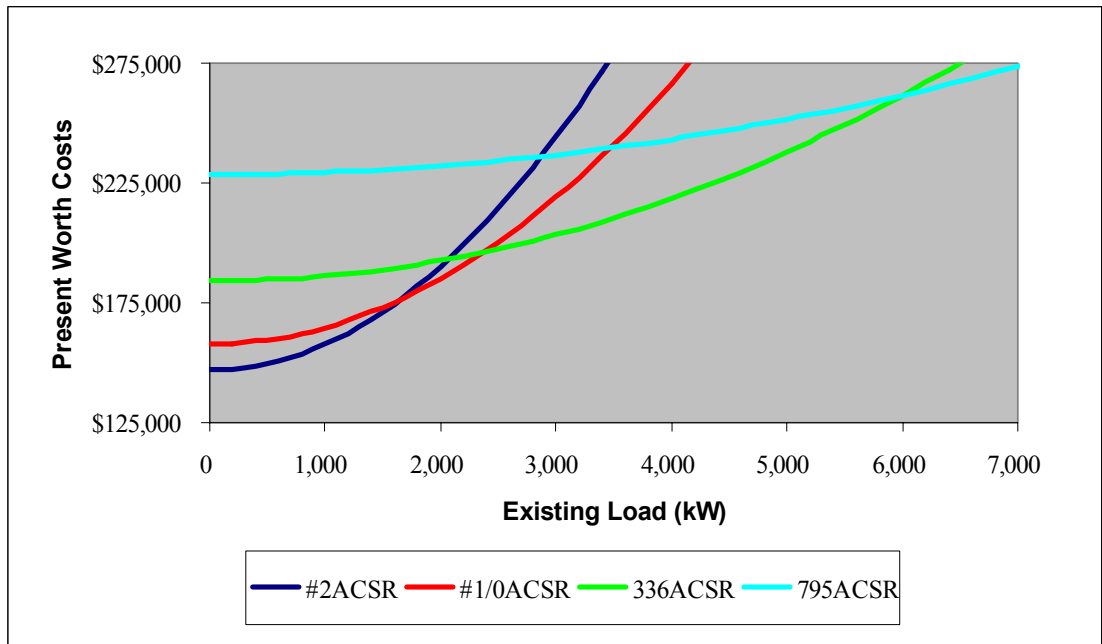


Figure 3-4: Three-Phase Reconductor 24.9 kV

Exhibit 1

Status of Previous CWP Projects

Clark Energy Cooperative, Inc.
2003 - 2005 Construction Work Plan

Status of Previous CWP Projects					
CFR Code	Substation	Description	Est. WP Miles	Cost	Status
301	Blevins Valley 2	Mud Lick	1.25	\$40,708	Cancelled
302	Sideview 4	Big Stoner	3.12	\$250,577	Completed
303	Miller Hunt 1	Kiddville-Schollsville	3.32	\$25,355	Completed
304	Trapp 1	Trapp-Goff Corner	2.71	\$217,648	Cancelled
305	Miller Hunt 2	Dry Fork-Ruckerville	2.08	\$167,052	Carry-Over
306	Van Meter 3	Clintonville-Thatcher	1.10	\$224,073	Completed
307	Miller Hunt 1	Winetown-US60	1.14	\$91,557	Completed
308	Reid Village 1	Sewell Shop-US60	1.58	\$126,894	Completed
309	Frenchburg 4	Dan Rg-KY1053 (1)	1.62	\$130,107	Completed
310	Frenchburg 3	Indian Ck-US460 (1)	0.71	\$57,022	Cancelled
311	Mt. Sterling 2	Levee-KY11	3.71	\$297,961	Completed
312	Mt. Sterling 2	O'Rear	0.98	\$67,568	Completed
313	Sideview 2	Aarons-Bunker	18.50	\$198,383	Completed
314	Sideview 3	Howell-Drennon	1.71	\$137,335	Completed
315	Sideview 3	Grassy Lick (1)	1.61	\$129,304	Completed
316	Hope 3	McCormick Road (1)	2.08	\$66,612	In Progress
317	Hope 3	Spencer-KY782	2.78	\$21,231	Completed
318	Reid Village 2	Prewitt Pike-US60	0.59	\$47,385	Cancelled
319	Stanton 2	Cat Creek	1.66	\$133,320	Completed
320	Stanton 3	Furnace-KY213	3.37	\$270,655	Completed
321	Stanton 4	Ewing Trail	1.09	\$87,541	Completed
322	Stanton 4	Morris Creek (1)	0.69	\$55,416	Completed
323	Clay City 1	Virden-Lone Oak	1.25	\$100,391	Cancelled
324	Clay City 2	Adams Br-KY82 (1)	1.65	\$132,516	Carry-Over
325	Clay City 2	Adams Br-KY82 (2)	0.92	\$73,888	Completed
326	Clay City 4	Clay City-KY11 (1)	1.62	\$130,107	Cancelled
327	Hardwicks Ck 2	Hardwicks Ck	14.89	\$127,411	Cancelled
328	Hardwicks Ck 3	Frames Branch	1.22	\$97,982	In Progress
329	Hardwicks Ck 3	Frames Br-KY82	0.84	\$67,463	In Progress
330	Clay City 2	Clay City-KY15	1.48	\$147,579	Cancelled
331	Clay City 1	Brush Creek	0.78	\$25,401	Completed
332	Bowen 3	Bowen-Cat Creek	1.00	\$143,760	In Progress
333	Stanton 4	Morris Creek (2)	0.75	\$74,787	Cancelled
TOTAL				\$3,964,989	

Exhibit 2 Substation and Feeder Forecast



Clark Energy Cooperative, Inc.
(Summer) Substation and Feeder Load Forecast

SUBSTATION / FEEDER NAME	TOTAL CAPACITY (MVA)	RELATIVE GROWTH FACTOR	2005 PEAK (MW)	PROJECTED LOADS (MW)																				COMP. ANNUAL GROWTH
				LL1	LL2	LL3	LL4	LL5	LL6	LL7	LL8	LL9	LL10	LL11	LL12	LL13	LL14	LL15	LL16	LL17	LL18	LL19	LL20	
				2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
PROJECTED SYSTEM COINCIDENT PEAK			89.84	112.00	113.00	114.00	116.00	118.00	119.00	121.00	123.00	125.00	127.00	130.00	132.00	134.00	136.00	138.00	140.00	143.00	145.00	147.00	149.00	1.51%
TREEHAVEN	4.4	0.50	3.40	4.11	4.14	4.17	4.22	4.28	4.31	4.36	4.41	4.47	4.52	4.60	4.65	4.70	4.75	4.80	4.85	4.92	4.97	5.02	5.06	1.11%
Treehaven 1		1.00	0.79	0.96	0.96	0.97	0.98	1.00	1.00	1.02	1.03	1.04	1.05	1.07	1.08	1.09	1.11	1.12	1.13	1.15	1.16	1.17	1.18	1.11%
Treehaven 2		1.00	1.97	2.38	2.40	2.42	2.45	2.48	2.50	2.53	2.56	2.59	2.62	2.67	2.70	2.73	2.76	2.79	2.81	2.86	2.88	2.91	2.94	1.11%
Treehaven 3		1.00	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	1.11%
Treehaven 4		1.00	0.55	0.67	0.67	0.68	0.69	0.70	0.70	0.71	0.72	0.73	0.73	0.75	0.76	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.82	1.11%
Total Feeder Load			3.40	4.11	4.14	4.17	4.22	4.28	4.31	4.36	4.41	4.47	4.52	4.60	4.65	4.70	4.75	4.80	4.85	4.92	4.97	5.02	5.06	----
Substation Growth Factors				0.210	0.007	0.007	0.014	0.013	0.006	0.013	0.012	0.012	0.012	0.017	0.011	0.011	0.011	0.010	0.010	0.015	0.010	0.009	0.009	----
Substation Coincident Factor			99.97%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	----
UNION CITY	11.9	1.50	4.72	7.70	7.86	8.02	8.35	8.68	8.85	9.19	9.53	9.87	10.22	10.75	11.11	11.48	11.84	12.21	12.59	13.15	13.54	13.92	14.31	3.31%
Union City 1		1.00	1.16	1.89	1.93	1.97	2.05	2.13	2.17	2.25	2.34	2.42	2.51	2.64	2.73	2.82	2.91	3.00	3.09	3.23	3.32	3.42	3.51	3.31%
Union City 2		1.00	1.98	3.23	3.29	3.36	3.50	3.64	3.71	3.85	3.99	4.14	4.28	4.51	4.66	4.81	4.96	5.12	5.27	5.51	5.67	5.83	5.99	3.31%
Union City 3		1.00	0.25	0.40	0.41	0.42	0.44	0.45	0.46	0.48	0.50	0.52	0.53	0.56	0.58	0.60	0.62	0.64	0.66	0.69	0.71	0.73	0.75	3.31%
Union City 4		1.00	1.34	2.18	2.23	2.27	2.37	2.46	2.51	2.60	2.70	2.80	2.90	3.05	3.15	3.25	3.36	3.46	3.57	3.73	3.83	3.94	4.05	3.31%
Total Feeder Load			4.73	7.70	7.86	8.02	8.35	8.68	8.85	9.19	9.53	9.87	10.22	10.75	11.11	11.48	11.84	12.21	12.59	13.15	13.54	13.92	14.31	----
Substation Growth Factors				0.629	0.021	0.021	0.041	0.040	0.019	0.038	0.037	0.036	0.035	0.052	0.033	0.033	0.032	0.031	0.031	0.045	0.029	0.028	0.028	----
Substation Coincident Factor			99.94%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	----
VAN METER	6.3	0.10	2.41	2.51	2.51	2.51	2.52	2.53	2.53	2.54	2.54	2.55	2.55	2.56	2.57	2.57	2.58	2.59	2.59	2.60	2.60	2.61	2.61	0.22%
Van Meter 1		1.00	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.22%
Van Meter 2		1.00	0.27	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.22%
Van Meter 3		1.00	1.95	2.03	2.04	2.04	2.05	2.05	2.05	2.06	2.06	2.07	2.07	2.08	2.09	2.09	2.10	2.10	2.10	2.11	2.11	2.12	2.12	0.22%
Total Feeder Load			2.40	2.51	2.51	2.51	2.52	2.53	2.53	2.54	2.54	2.55	2.55	2.56	2.57	2.57	2.58	2.59	2.59	2.60	2.60	2.61	2.61	----
Substation Growth Factors				0.042	0.001	0.001	0.003	0.003	0.001	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.002	----
Substation Coincident Factor			100.04%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	----
COINCIDENT SYSTEM PEAK			89.84	112.00	113.00	114.00	116.00	118.00	119.00	121.00	123.00	125.00	127.00	130.00	132.00	134.00	136.00	138.00	140.00	143.00	145.00	147.00	149.00	----
TOT. NON-COINCIDENT SUB. PEAK			92.84	115.46	116.49	117.53	119.59	121.65	122.68	124.74	126.80	128.87	130.93	134.02	136.08	138.14	140.21	142.27	144.33	147.42	149.48	151.55	153.61	----
SYSTEM GROWTH FACTORS				0.420	0.014	0.014	0.027	0.026	0.013	0.025	0.025	0.024	0.024	0.035	0.022	0.022	0.021	0.021	0.020	0.030	0.019	0.019	0.019	----
SYSTEM COINCIDENT FACTOR			96.76%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	----
Notes: (1) Historical system coincident and substation non-coincident peak loads provided by .. (2) Projected coincident system peak from ...																								

Clark Energy Cooperative, Inc.
(Winter) Substation and Feeder Load Forecast

SUBSTATION / FEEDER NAME	TOTAL CAPACITY (MVA)	RELATIVE GROWTH FACTOR	2005 PEAK (MW)	PROJECTED LOADS (MW)																				COMP. ANNUAL GROWTH
				LL1	LL2	LL3	LL4	LL5	LL6	LL7	LL8	LL9	LL10	LL11	LL12	LL13	LL14	LL15	LL16	LL17	LL18	LL19	LL20	
				2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
PROJECTED SYSTEM COINCIDENT PEAK			114.50	123.00	134.00	136.00	139.00	142.00	145.00	147.00	151.00	154.00	157.00	161.00	164.00	167.00	170.00	173.00	177.00	180.00	184.00	187.00	192.00	2.37%
TREEHAVEN	7.5	1.00	4.12	4.60	5.03	5.10	5.22	5.33	5.44	5.52	5.67	5.78	5.90	6.04	6.16	6.27	6.38	6.49	6.64	6.74	6.89	7.00	7.18	2.37%
Treehaven 1		1.00	1.04	1.16	1.26	1.28	1.31	1.34	1.37	1.39	1.42	1.45	1.48	1.52	1.55	1.57	1.60	1.63	1.67	1.69	1.73	1.76	1.80	2.37%
Treehaven 2		1.00	1.98	2.21	2.42	2.45	2.51	2.56	2.62	2.65	2.73	2.78	2.83	2.91	2.96	3.01	3.07	3.12	3.19	3.24	3.31	3.36	3.45	2.37%
Treehaven 3		1.00	0.16	0.18	0.19	0.20	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.28	2.37%
Treehaven 4		1.00	0.95	1.06	1.16	1.17	1.20	1.23	1.25	1.27	1.30	1.33	1.36	1.39	1.42	1.44	1.47	1.49	1.53	1.55	1.58	1.61	1.65	2.37%
Total Feeder Load			4.12	4.60	5.03	5.10	5.22	5.33	5.44	5.52	5.67	5.78	5.90	6.04	6.16	6.27	6.38	6.49	6.64	6.74	6.89	7.00	7.18	----
Substation Growth Factors				0.117	0.092	0.015	0.022	0.022	0.021	0.014	0.027	0.020	0.019	0.025	0.018	0.018	0.018	0.017	0.023	0.017	0.022	0.016	0.026	----
Substation Coincident Factor				99.95%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	----
UNION CITY	16.9	1.50	7.98	9.39	10.68	10.93	11.29	11.66	12.04	12.29	12.79	13.17	13.55	14.07	14.46	14.85	15.24	15.64	16.17	16.57	17.11	17.51	18.19	3.54%
Union City 1		1.00	1.84	2.17	2.47	2.52	2.61	2.69	2.78	2.84	2.95	3.04	3.13	3.25	3.34	3.43	3.52	3.61	3.73	3.82	3.95	4.04	4.20	3.54%
Union City 2		1.00	3.29	3.86	4.40	4.50	4.65	4.80	4.95	5.06	5.26	5.42	5.58	5.79	5.95	6.11	6.27	6.44	6.66	6.82	7.04	7.21	7.49	3.54%
Union City 3		1.00	0.46	0.54	0.61	0.62	0.65	0.67	0.69	0.70	0.73	0.75	0.77	0.80	0.83	0.85	0.87	0.89	0.92	0.95	0.98	1.00	1.04	3.54%
Union City 4		1.00	2.40	2.82	3.21	3.28	3.39	3.51	3.62	3.69	3.84	3.96	4.07	4.23	4.34	4.46	4.58	4.70	4.86	4.98	5.14	5.26	5.47	3.54%
Total Feeder Load			7.98	9.39	10.68	10.93	11.29	11.66	12.04	12.29	12.79	13.17	13.55	14.07	14.46	14.85	15.24	15.64	16.17	16.57	17.11	17.51	18.19	----
Substation Growth Factors				0.176	0.138	0.023	0.034	0.033	0.032	0.021	0.041	0.030	0.029	0.038	0.028	0.027	0.027	0.026	0.034	0.025	0.032	0.024	0.039	----
Substation Coincident Factor				99.94%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	----
VAN METER	8.4	1.00	3.03	3.38	3.70	3.75	3.84	3.92	4.00	4.06	4.17	4.25	4.33	4.44	4.53	4.61	4.69	4.77	4.88	4.96	5.06	5.14	5.28	2.37%
Van Meter 1		1.00	0.24	0.26	0.29	0.29	0.30	0.30	0.31	0.32	0.32	0.33	0.34	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.40	0.41	2.37%
Van Meter 2		1.00	0.28	0.32	0.34	0.35	0.36	0.37	0.37	0.38	0.39	0.40	0.40	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.48	0.49	2.37%
Van Meter 3		1.00	2.51	2.81	3.06	3.11	3.18	3.25	3.32	3.36	3.46	3.53	3.59	3.68	3.75	3.82	3.89	3.95	4.04	4.11	4.20	4.27	4.38	2.37%
Total Feeder Load			3.03	3.38	3.70	3.75	3.84	3.92	4.00	4.06	4.17	4.25	4.33	4.44	4.53	4.61	4.69	4.77	4.88	4.96	5.06	5.14	5.28	----
Substation Growth Factors				0.118	0.092	0.015	0.022	0.022	0.021	0.014	0.027	0.020	0.019	0.025	0.018	0.018	0.018	0.017	0.023	0.017	0.022	0.016	0.026	----
Substation Coincident Factor				100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	----
COINCIDENT SYSTEM PEAK			114.50	123.00	134.00	136.00	139.00	142.00	145.00	147.00	151.00	154.00	157.00	161.00	164.00	167.00	170.00	173.00	177.00	180.00	184.00	187.00	192.00	----
TOT. NON-COINCIDENT SUB. PEAK			112.77	125.51	136.73	138.78	141.84	144.90	147.96	150.00	154.08	157.14	160.20	164.29	167.35	170.41	173.47	176.53	180.61	183.67	187.76	190.82	195.92	----
SYSTEM GROWTH FACTORS				0.118	0.092	0.015	0.022	0.022	0.021	0.014	0.027	0.020	0.019	0.025	0.018	0.018	0.018	0.017	0.023	0.017	0.022	0.016	0.026	----
SYSTEM COINCIDENT FACTOR				101.53%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%	----
Notes: (1) Historical system coincident and substation non-coincident peak loads provided by ...																								
(2) Projected coincident system peak from ...																								

Exhibit 3
RUS Form 300



Public reporting burden for this collection of information is estimated to average 4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Agriculture, Clearance Officer, OC, OMB Control # 0572-0015, AG Box 7630, Washington, DC 20250
 You are not required to respond to this collection of information unless this form displays the currently valid OMB control number.

UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE REVIEW RATING SUMMARY		BORROWER DESIGNATION KY 49	
		DATE PREPARED 9/7/2004	
Ratings on form are: NA: Not Applicable		0: Unsatisfactory -- No Records 1: Corrective Action Needed 2: Acceptable, but Should be Improved -- See Attached Recommendations 3: Satisfactory -- No Additional Action Required at this Time	
PART I. TRANSMISSION and DISTRIBUTION FACILITIES			
1. Substations (Transmission and Distribution)		4. Distribution - Underground Cable	
a. Safety, Clearance, Code Compliance	(Rating) NA	a. Grounding and Corrosion Control	(Rating) 3
b. Physical Conditions: Structure, Major Equipment, Appearance	NA	b. Surface Grading, Appearance	3
c. Inspection Records Each Substation	NA	c. Riser Pole: Hazards, Guying, Condition	3
d. Oil Spill Prevention	NA		
2. Transmission Lines		5. Distribution Line Equipment: Conditions and Records	
a. Right-of-Way: Clearing, Erosion, Appearance, Intrusions	NA	a. Voltage Regulators	3
b. Physical Condition: Structure, Conductor, Guying	NA	b. Sectionalizing Equipment	3
c. Inspection Program and Records	NA	c. Distribution Transformers	3
		d. Pad Mounted Equipment	
		Safety: Locking, Dead Front, Barriers	3
		Appearance: Settlement, Condition	3
		Other	NA
		e. Kilowatt-hour and Demand Meter	
		Reading and Testing	3
3. Distribution Lines - Overhead			
a. Inspection Program and Records	3		
b. Compliance with Safety Codes:			
Clearances	3		
Foreign Structures	3		
Attachments	3		
c. Observed Physical Condition from Field Checking:			
Right-of-Way	3		
Other	NA		
PART II. OPERATIONS and MAINTENANCE			
6. Line Maintenance and Work Order Procedures		8. Power Quality	
a. Work Planning & Scheduling	(Rating) 3	a. General Freedom from Complaints	(Rating) 3
b. Work Backlogs:			
Right-of-Way Maintenance	3		
Poles	3		
Retirement of Idle Services	3	9. Loading and Load Balance	
Other	NA	a. Distribution Transformer Loading	3
		b. Load Control Apparatus	NA
		c. Substation and Feeder Loading	3
7. Service Interruptions			
a. Average Annual Hours/Consumer by Cause (Complete for each of the previous 5 years)		10. Maps and Plant Records	
PREVIOUS 5 YEARS (Year)	POWER SUPPLIER a.	MAJOR STORM b.	SCHEDULED c.
			ALL OTHER d.
			TOTAL e.
			(Rating)
1999	0.23		0.03
			1.40
			1.66
			3
2000	0.58		0.05
			1.81
			2.44
			3
2001	0.38		1.40
			1.78
			3
2002	0.02		0.10
			0.83
			0.95
			3
2003	1.30	9.06	1.27
			11.63
			2
b. Emergency Restoration Plan	3		
PART III. ENGINEERING			
11. System Load Conditions and Losses		13. Load Studies and Planning	
a. Annual System Losses	(Rating) 6.00% 3	a. Long Range Engineering Plan	(Rating) 3
b. Annual Load Factor	43.3% 3	b. Construction Work Plan	3
c. Power Factor at Monthly Peak	95+% 3	c. Sectionalizing Study	3
d. Ratios of Individual Substation Annual Peak kW to kVA	3	d. Load Data for Engineering Studies	3
		e. Load Forecasting Data	3
12. Voltage Conditions			
a. Voltage Surveys	3		
b. Substation Transformer Output Voltage Spread	3		

PART IV. OPERATION AND MAINTENANCE BUDGETS

YEAR	For Previous 2 Years		For Present Year	For Future 3 Years		
	2002	2003	2004	2005	2006	2007
	Actual \$ Thousands	Actual \$ Thousands	Budget \$ Thousands	Budget \$ Thousands	Budget \$ Thousands	Budget \$ Thousands
Normal Operation	\$1,218	\$1,240	\$1,303	\$1,342	\$1,382	\$1,424
Normal Maintenance	\$1,951	\$1,960	\$1,994	\$2,054	\$2,115	\$2,179
Additional (Deferred) Maintenance						
Total	\$3,169	\$3,200	\$3,297	\$3,396	\$3,497	\$3,603

14. Budgeting: Adequacy of Budgets for Needed Work 3 (Rating)

15. Date Discussed with Board of Directors 10/24/2004

EXPLANATORY NOTES

ITEM NO.	COMMENTS
7a.	There was a severe ice storm in 2003.

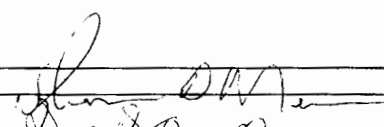
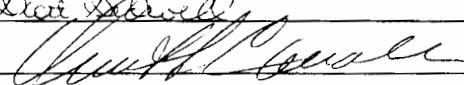
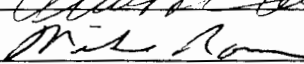
	TITLE	DATE
RATED BY: 	SYSTEM ENGINEER SUPERINTENDENT OF OPERATIONS	10/7/2004
REVIEWED BY: 	PRESIDENT/CEO	10/7/2004
REVIEWED BY: 	RUS GFR	10/7/2004

Exhibit 4

Cost of Losses



LOAD LOSS CALCULATION

ANNUAL COST OF LOSS PER kW:

Cost for Demand: 1kW*DR*DF \$0.00 /kW
 Cost for Energy: (.84(LF^2) + .16(LF))*1kW*(ER)*8760 hours \$116.63 /kW

DR = Existing Power Demand Rate ⁽¹⁾
 = \$0.00 /kW
 LF = Three Year Average Annual Load Factor
 = 45.54%
 ER = Existing Power Energy Rate ⁽¹⁾
 = \$0.05390 /kWh
 DF = Three Year Average Annual Demand Factor
 = 6.76

ANNUAL COST FOR 1kW OF PEAK LOSSES: \$116.63 /kW

CORE LOSS CALCULATION

ANNUAL COST OF LOSS PER kW:

Cost for Demand: 1kW*DR*12 months \$0.00 /kW
 Cost for Energy 1kW*ER*8760 hours \$472.13 /kW

DR = Existing Power Demand Rate ⁽¹⁾
 = \$0.00 /kW
 ER = Existing Power Energy Rate ⁽¹⁾
 = \$0.05390 /kWh

ANNUAL COST FOR 1kW OF PEAK LOSSES: \$472.13 /kW

LOAD FACTOR CALCULATION ⁽²⁾						
Month	Peak Load (kW)			Three Year Average	Percent of Peak	Percent of Peak Squared
	2003	2004	2005			
January	107,057	105,863	111,090	108,003	100.00%	1.00
February	92,892	88,577	84,241	88,570	82.01%	0.67
March	81,017	80,208	93,870	85,032	78.73%	0.62
April	61,614	64,892	66,414	64,307	59.54%	0.35
May	50,955	68,053	62,399	60,469	55.99%	0.31
June	72,209	71,763	81,295	75,089	69.52%	0.48
July	75,221	80,401	89,837	81,820	75.76%	0.57
August	81,586	79,297	87,536	82,806	76.67%	0.59
September	67,650	75,491	73,349	72,163	66.82%	0.45
October	57,487	58,292	68,255	61,345	56.80%	0.32
November	79,625	71,275	90,491	80,464	74.50%	0.56
December	82,263	106,685	106,290	98,413	91.12%	0.83
System Peak	107,057	106,685	111,090	108,003	100.00%	6.76
Ann. MWh Purch.	418,275	427,871	449,841	431,996		
Ann. Load Factor	44.60%	45.78%	46.23%	45.54%		

Notes : (1) Based on the annual energy purchases and power cost for calendar year 2005
 (2) MWh Purch. and Peak Loading was taken from Form 7 data

Exhibit 5

Summary of Assumed Fixed Annual Charge Rates



Estimated Fixed Cost

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All information in **BLUE** text requires input data.

ECONOMIC ASSUMPTIONS

	TRANSMISSION	SUBSTATION	DISTRIBUTION
Annual Inflation on Investment	3.00%	3.00%	3.00%
Depreciation Life of Investment (Years ¹)	40	50	33
Annual Depreciation	2.50%	2.00%	3.00%
Nominal Interest Rate	5.00%	5.00%	5.00%
Capital Recovery Factor (Calculated)	5.83%	5.48%	6.23%

Note 1. Average Service Life from Depreciation Studies (Change only if directed to by Client or specific project condition)

Exhibit 6 Existing and Projected Deficiencies



Summer_Single_Phase_Loading

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
								Through Amps (Bal)	Through Amps (Bal)	Through Amps (Bal)
PL.12610	CLAY CITY	CLAYCTY2	A	4ACSR	0.01	7.39	LL01-LL02	44.21	65.50	68.15
PL.12611	CLAY CITY	CLAYCTY2	A	1/0ACSR	0.02	7.39	LL01-LL02	42.71	63.29	65.85
PL.12612	CLAY CITY	CLAYCTY2	A	1/0ACSR	0.08	7.39	LL01-LL02	42.68	63.24	65.80
PL.15495	CLAY CITY	CLAYCTY2	A	4ACSR	0.01	7.40	LL01-LL02	45.47	67.37	70.09
PL.15496	CLAY CITY	CLAYCTY2	A	1/0ACSR	0.11	7.39	LL01-LL02	45.47	67.37	70.09
PL.15497	CLAY CITY	CLAYCTY2	A	4ACSR	0.01	7.41	LL01-LL02	47.93	70.99	73.86
PL.15498	CLAY CITY	CLAYCTY2	A	1/0ACSR	0.04	7.41	LL01-LL02	47.93	70.99	73.86
PL.7451	CLAY CITY	CLAYCTY2	A	1/0ACSR	0.04	7.40	LL01-LL02	47.60	70.50	73.35
PL.6947	CLAY CITY	CLAYCTY2	A	1/0ACSR	0.02	7.39	LL03-LL04	36.66	54.34	56.55
PL.7747	CLAY CITY	CLAYCTY2	A	1/0ACSR	0.01	7.39	LL03-LL04	37.21	55.16	57.39
PL.42295	CLAY CITY	CLAYCTY4	A	4ACSR	0.01	7.49	LL01-LL02	39.31	58.03	60.36
PL.42296	CLAY CITY	CLAYCTY4	A	4ACSR	0.05	7.48	LL01-LL02	39.31	58.03	60.36
PL.4494	CLAY CITY	CLAYCTY4	A	4ACSR	0.04	7.48	LL01-LL02	38.41	56.71	58.98
PL.12784	HARDWICH'S CREEK	OCD42	A	4ACSR	0.01	7.45	LL01-LL02	51.25	69.32	71.47
PL.12785	HARDWICH'S CREEK	OCD42	A	4ACSR	0.06	7.44	LL01-LL02	49.95	67.58	69.67
PL.12786	HARDWICH'S CREEK	OCD42	A	4ACSR	0.07	7.43	LL01-LL02	47.87	64.78	66.79
PL.12787	HARDWICH'S CREEK	OCD42	A	4ACSR	0.00	7.40	LL01-LL02	44.42	60.13	62.00
PL.12788	HARDWICH'S CREEK	OCD42	A	4ACSR	0.11	7.39	LL01-LL02	42.81	57.96	59.77
PL.18680	HARDWICH'S CREEK	OCD42	A	4ACSR	0.02	7.42	LL01-LL02	45.45	61.53	63.44
PL.18681	HARDWICH'S CREEK	OCD42	A	4ACSR	0.09	7.41	LL01-LL02	45.03	60.96	62.85
PL.27961	HARDWICH'S CREEK	OCD42	A	4ACSR	0.07	7.42	LL01-LL02	47.08	63.72	65.70
PL.27962	HARDWICH'S CREEK	OCD42	A	4ACSR	0.02	7.42	LL01-LL02	46.52	62.96	64.91
PL.384	HARDWICH'S CREEK	OCD42	A	4ACSR	0.05	7.46	LL01-LL02	51.25	69.32	71.47
PL.391	HARDWICH'S CREEK	OCD42	A	4ACSR	0.09	7.45	LL01-LL02	51.25	69.32	71.47
PL.8265	HARDWICH'S CREEK	OCD42	A	4ACSR	0.05	7.39	LL01-LL02	42.52	57.57	59.36
PL.28959	HIGH ROCK	HIGH ROCK	A	1/0ACSR	0.00	7.56	LL00	72.32	88.11	89.92
PL.32944	HIGH ROCK	HIGH ROCK	A	1/0ACSR	0.00	7.56	LL00	72.32	88.11	89.92
PL.32945	HIGH ROCK	HIGHROCK1	A	1/0ACSR	0.02	7.56	LL00	72.32	88.11	89.92
PL.46110	HIGH ROCK	HIGHROCK1	A	1/0ACSR	0.01	7.56	LL00	72.32	88.11	89.92
PL.46111	HIGH ROCK	HIGHROCK1	A	1/0ACSR	0.04	7.56	LL00	72.28	88.05	89.86
PL.14539	HINKSTON	HINKSTON2	C	4ACSR	0.06	14.96	LL01-LL02	20.24	56.21	62.63
PL.22302	HINKSTON	HINKSTON2	C	4ACSR	0.03	14.97	LL01-LL02	21.05	58.40	65.06
PL.27300	HINKSTON	HINKSTON2	C	4ACSR	0.01	14.98	LL01-LL02	21.05	58.40	65.06
PL.28286	HINKSTON	HINKSTON2	C	4ACSR	0.01	14.97	LL01-LL02	20.70	57.47	64.03
PL.28287	HINKSTON	HINKSTON2	C	4ACSR	0.09	14.97	LL01-LL02	20.70	57.47	64.03
PL.14540	HINKSTON	HINKSTON2	C	4ACSR	0.24	14.95	LL03-LL04	19.58	54.44	60.67
PL.14541	HINKSTON	HINKSTON2	C	4ACSR	0.23	14.94	LL03-LL04	19.20	53.41	59.52
PL.14542	HINKSTON	HINKSTON2	C	4ACSR	0.14	14.93	LL03-LL04	18.09	50.35	56.11

Summer_Single_Phase_Loading

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
								JUL05 Through Amps (Bal)	Through Amps (Bal)	Through Amps (Bal)
PL.20091	HINKSTON	HINKSTON3	A	4ACSR	0.26	15.05	LL01-LL02	29.01	79.75	88.83
PL.20218	HINKSTON	HINKSTON3	A	4ACSR	0.07	15.07	LL01-LL02	29.01	79.75	88.83
PL.24693	HINKSTON	HINKSTON3	A	4ACSR	0.07	14.96	LL01-LL02	28.85	78.54	87.44
PL.26363	HINKSTON	HINKSTON3	A	4ACSR	0.68	14.97	LL01-LL02	29.44	80.12	89.20
PL.26364	HINKSTON	HINKSTON3	A	4ACSR	0.01	14.97	LL01-LL02	29.44	80.12	89.20
PL.26365	HINKSTON	HINKSTON3	A	4ACSR	0.10	14.95	LL01-LL02	28.37	77.23	85.99
PL.26366	HINKSTON	HINKSTON3	A	4ACSR	0.05	14.95	LL01-LL02	27.89	75.93	84.54
PL.26367	HINKSTON	HINKSTON3	A	4ACSR	0.10	14.94	LL01-LL02	27.61	75.18	83.71
PL.26368	HINKSTON	HINKSTON3	A	4ACSR	0.20	14.93	LL01-LL02	26.83	73.08	81.37
PL.29570	HINKSTON	HINKSTON3	A	1/0EPRJCN	0.64	15.02	LL01-LL02	29.01	79.75	88.83
PL.17588	UNION CITY	UNIONCITY2	B	4ACSR	0.41	14.93	LL01-LL02	41.67	70.09	74.57
PL.17664	UNION CITY	UNIONCITY2	B	4ACSR	0.04	14.89	LL01-LL02	36.56	61.51	65.45
PL.17665	UNION CITY	UNIONCITY2	B	4ACSR	0.01	14.88	LL01-LL02	36.56	61.51	65.45
PL.19019	UNION CITY	UNIONCITY2	B	4ACSR	0.08	14.91	LL01-LL02	40.39	67.95	72.29
PL.19020	UNION CITY	UNIONCITY2	B	4ACSR	0.05	14.90	LL01-LL02	40.22	67.67	71.99
PL.19116	UNION CITY	UNIONCITY2	B	4ACSR	0.07	14.91	LL01-LL02	41.08	69.12	73.53
PL.27810	UNION CITY	UNIONCITY2	B	4ACSR	0.03	14.92	LL01-LL02	41.29	69.46	73.90
PL.27811	UNION CITY	UNIONCITY2	B	4ACSR	0.03	14.92	LL01-LL02	41.27	69.42	73.86
PL.37583	UNION CITY	UNIONCITY2	B	4ACSR	0.01	14.98	LL01-LL02	41.67	70.09	74.57
PL.37584	UNION CITY	UNIONCITY2	B	4ACSR	0.07	14.97	LL01-LL02	41.67	70.09	74.57
PL.9032	UNION CITY	UNIONCITY2	B	4ACSR	0.10	14.89	LL01-LL02	40.22	67.67	71.99

Summer_Conductor>Loading_50pt

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING JUL05 % Capacity (Bal)	LL2 JUL05 % Capacity (Bal)	LL4 JUL05 % Capacity (Bal)
PL.14027	BOWEN	BOWEN1	ABC	6ACWC	0.059	7.32	LL00	47	49	49
PL.14028	BOWEN	BOWEN1	ABC	6ACWC	0.069	7.31	LL00	47	49	49
PL.14030	BOWEN	BOWEN1	ABC	6ACWC	0.081	7.54	LL00	45	46	46
PL.15978	BOWEN	BOWEN1	ABC	1/0EPRJCN	0.008	7.53	LL00	37	38	39
PL.15979	BOWEN	BOWEN1	ABC	1/0EPRJCN	0.151	7.52	LL00	37	38	39
PL.18388	BOWEN	BOWEN1	ABC	6ACWC	0.007	7.33	LL00	47	49	49
PL.22243	BOWEN	BOWEN1	ABC	6ACWC	0.048	7.55	LL00	45	46	47
PL.23430	BOWEN	BOWEN1	ABC	6ACWC	0.020	7.55	LL00	45	46	47
PL.25097	BOWEN	BOWEN1	ABC	6ACWC	0.061	7.30	LL00	47	49	49
PL.25098	BOWEN	BOWEN1	ABC	6ACWC	0.088	7.29	LL00	47	49	49
PL.25269	BOWEN	BOWEN1	ABC	6ACWC	0.017	7.31	LL00	47	49	49
PL.26605	BOWEN	BOWEN1	ABC	4ACSR	0.000	7.41	LL00	55	58	58
PL.26796	BOWEN	BOWEN1	ABC	1/0EPRJCN	0.011	7.53	LL00	37	38	39
PL.27612	BOWEN	BOWEN1	ABC	4ACSR	0.004	7.43	LL00	56	58	58
PL.19222	BOWEN	BOWEN1	ABC	1/0ACSR	0.039	7.47	LL01-LL02	34	36	36
PL.19223	BOWEN	BOWEN1	ABC	1/0ACSR	0.026	7.47	LL01-LL02	34	36	36
PL.26596	BOWEN	BOWEN1	ABC	1/0ACSR	0.447	7.44	LL01-LL02	34	36	36
PL.26598	BOWEN	BOWEN1	ABC	1/0ACSR	0.188	7.48	LL01-LL02	35	36	36
PL.8304	BOWEN	BOWEN1	ABC	1/0ACSR	0.081	7.48	LL01-LL02	35	36	36
PL.8308	BOWEN	BOWEN1	ABC	1/0ACSR	0.049	7.43	LL01-LL02	34	35	36
PL.29124	CLAY CITY	CLAY CITY	ABC	4/0ACSR	0.002	7.56	LL00	54	72	74
PL.29126	CLAY CITY	CLAY CITY	ABC	4/0ACSR	0.003	7.56	LL00	42	57	59
PL.32840	CLAY CITY	CLAY CITY	ABC	4/0ACSR	0.002	7.56	LL00	42	57	59
PL.32842	CLAY CITY	CLAY CITY	ABC	4/0ACSR	0.002	7.56	LL00	54	72	74
PL.10953	CLAY CITY	CLAYCTY1	ABC	4/0ACSR	0.053	7.53	LL00	42	57	58
PL.32841	CLAY CITY	CLAYCTY1	ABC	4/0ACSR	0.279	7.54	LL00	42	57	59
PL.11554	CLAY CITY	CLAYCTY1	ABC	4/0ACSR	0.116	7.50	LL01-LL02	39	52	53
PL.11555	CLAY CITY	CLAYCTY1	ABC	4/0ACSR	0.037	7.50	LL01-LL02	38	51	53
PL.12376	CLAY CITY	CLAYCTY1	ABC	4/0ACSR	0.009	7.53	LL01-LL02	39	52	53
PL.12377	CLAY CITY	CLAYCTY1	ABC	4/0ACSR	0.348	7.51	LL01-LL02	39	52	53
PL.30854	CLAY CITY	CLAYCTY1	ABC	4/0ACSR	0.041	7.49	LL01-LL02	33	46	47
PL.6123	CLAY CITY	CLAYCTY1	ABC	4/0ACSR	0.071	7.49	LL01-LL02	33	46	47
PL.10954	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.262	7.53	LL00	52	70	72
PL.15972	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.149	7.49	LL00	52	70	72
PL.15973	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.006	7.48	LL00	52	70	72
PL.16203	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.086	7.48	LL00	52	70	72
PL.16998	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.047	7.53	LL00	52	70	72
PL.16999	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.000	7.53	LL00	52	70	72
PL.26223	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.114	7.50	LL00	52	70	72
PL.26224	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.115	7.47	LL00	52	70	72
PL.32843	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.020	7.56	LL00	54	72	74

Summer_Conductor>Loading_50pt

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING JUL05 % Capacity (Bal)	LL2 JUL05 % Capacity (Bal)	LL4 JUL05 % Capacity (Bal)
PL.74	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.153	7.51	LL00	52	70	72
OH34	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.049	7.46	LL01-LL02	38	50	51
PL.15966	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.077	7.45	LL01-LL02	38	50	51
PL.15967	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.005	7.45	LL01-LL02	38	50	51
PL.26225	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.050	7.46	LL01-LL02	38	50	51
PL.15964	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.077	7.44	LL03-LL04	35	46	48
PL.15965	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.005	7.44	LL03-LL04	35	46	48
PL.19038	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.057	7.45	LL03-LL04	35	47	48
PL.19039	CLAY CITY	CLAYCTY2	ABC	4/0ACSR	0.036	7.45	LL03-LL04	35	47	48
PL.27766	CLAY CITY	CLAYCTY4	ABC	4ACSR	0.006	7.52	LL01-LL02	15	22	23
PL.29091	FRENCHBURG	FRENCHBURG	ABC	1/0CU	0.008	7.56	LL01-LL02	39	45	45
PL.32860	FRENCHBURG	FRENCHBURG	ABC	1/0CU	0.002	7.56	LL01-LL02	39	45	45
PL.18245	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.042	7.55	LL00	48	63	65
PL.18246	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.064	7.54	LL00	48	63	65
PL.19707	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.091	7.45	LL00	44	58	59
PL.19708	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.051	7.44	LL00	44	57	59
PL.19754	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.063	7.51	LL00	48	63	64
PL.19755	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.024	7.51	LL00	48	62	64
PL.28134	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.055	7.55	LL00	46	59	61
PL.37743	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.019	7.47	LL00	46	61	62
PL.37744	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.067	7.46	LL00	46	61	62
PL.40650	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.052	7.55	LL00	45	59	61
PL.40651	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.051	7.54	LL00	45	59	61
PL.40692	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.164	7.50	LL00	45	58	60
PL.40693	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.037	7.49	LL00	45	58	60
PL.4883	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.089	7.46	LL00	44	58	59
PL.4884	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.038	7.49	LL00	45	58	60
PL.4885	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.128	7.47	LL00	45	58	60
PL.9726	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.022	7.46	LL00	44	58	59
PL.9727	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.168	7.52	LL00	45	59	60
PL.9732	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.103	7.50	LL00	47	62	64
PL.9733	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.063	7.49	LL00	46	61	62
PL.9734	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.135	7.52	LL00	48	63	65
PL.20745	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.253	7.39	LL01-LL02	40	52	53
PL.27284	FRENCHBURG	FRNBURG1	ABC	4ACSR	0.002	7.43	LL01-LL02	40	51	53
PL.27286	FRENCHBURG	FRNBURG1	ABC	4ACSR	0.001	7.43	LL01-LL02	40	51	53
PL.28168	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.095	7.42	LL01-LL02	40	52	53
PL.33045	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.120	7.30	LL01-LL02	38	49	51
PL.33046	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.026	7.30	LL01-LL02	38	49	50
PL.39222	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.141	7.28	LL01-LL02	37	49	50
PL.40908	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.029	7.36	LL01-LL02	39	50	52

Summer_Conductor>Loading_50pt

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING JUL05 % Capacity (Bal)	LL2 JUL05 % Capacity (Bal)	LL4 JUL05 % Capacity (Bal)
PL.40909	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.096	7.35	LL01-LL02	39	50	52
PL.41720	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.020	7.29	LL01-LL02	37	49	50
PL.43739	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.072	7.43	LL01-LL02	43	57	58
PL.43740	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.049	7.43	LL01-LL02	43	57	58
PL.7024	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.045	7.32	LL01-LL02	38	50	51
PL.9474	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.037	7.26	LL01-LL02	37	48	49
PL.9475	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.095	7.25	LL01-LL02	37	48	49
PL.9476	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.071	7.27	LL01-LL02	37	48	50
PL.9477	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.065	7.26	LL01-LL02	37	48	49
PL.9478	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.183	7.33	LL01-LL02	38	50	51
PL.9479	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.017	7.32	LL01-LL02	38	50	51
PL.9718	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.077	7.31	LL01-LL02	38	50	51
PL.9720	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.026	7.38	LL01-LL02	40	52	53
PL.9721	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.060	7.38	LL01-LL02	40	52	53
PL.9722	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.162	7.36	LL01-LL02	40	52	53
PL.9723	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.027	7.39	LL01-LL02	40	52	53
PL.41719	FRENCHBURG	FRNBURG1	ABC	4ACSR	0.008	7.30	LL03-LL04	37	49	50
PL.11274	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.039	7.44	LL00	79	67	67
PL.11275	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.008	7.41	LL00	73	62	62
PL.11276	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.027	7.42	LL00	78	65	66
PL.11277	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.033	7.42	LL00	73	62	62
PL.17419	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.034	7.32	LL00	56	47	47
PL.17420	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.067	7.31	LL00	56	46	47
PL.18030	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.004	7.38	LL00	68	57	58
PL.18578	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.060	7.53	LL00	48	40	40
PL.18616	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.054	7.37	LL00	68	57	58
PL.18617	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.043	7.37	LL00	67	56	57
PL.20124	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.032	7.43	LL00	78	66	67
PL.20125	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.015	7.43	LL00	78	66	67
PL.22958	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.005	7.35	LL00	60	50	51
PL.25739	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.012	7.41	LL00	73	62	62
PL.25740	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.054	7.40	LL00	71	60	60
PL.25741	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.043	7.39	LL00	69	58	58
PL.25746	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.043	7.36	LL00	64	53	54
PL.25747	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.047	7.35	LL00	60	51	51
PL.25748	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.011	7.35	LL00	60	50	51
PL.25749	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.019	7.33	LL00	60	50	51
PL.26028	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.036	7.32	LL00	59	50	51
PL.27920	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.047	7.29	LL00	55	45	46
PL.28038	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.023	7.53	LL00	48	40	40
PL.28039	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.031	7.52	LL00	50	41	42

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Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING JUL05 % Capacity (Bal)	LL2 JUL05 % Capacity (Bal)	LL4 JUL05 % Capacity (Bal)
PL.28681	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.031	7.56	LL00	53	44	44
PL.28682	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.038	7.55	LL00	53	44	44
PL.42944	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.010	7.35	LL00	60	50	51
PL.42945	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.077	7.33	LL00	60	50	51
PL.6295	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.025	7.54	LL00	49	41	41
PL.6296	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.069	7.54	LL00	51	42	43
PL.6297	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.070	7.30	LL00	55	46	46
PL.6310	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.072	7.51	LL00	41	35	35
PL.6971	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.045	7.39	LL00	69	57	58
PL.7378	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.053	7.45	LL00	79	67	67
PL.19206	FRENCHBURG	FRNBURG3	ABC	1/0CU	0.042	7.53	LL01-LL02	39	44	44
PL.19752	FRENCHBURG	FRNBURG3	ABC	1/0CU	0.085	7.55	LL01-LL02	39	44	45
PL.19753	FRENCHBURG	FRNBURG3	ABC	1/0CU	0.090	7.54	LL01-LL02	39	44	45
PL.21584	FRENCHBURG	FRNBURG3	ABC	336ACSR	0.031	7.32	LL01-LL02	15	48	49
PL.21588	FRENCHBURG	FRNBURG3	ABC	336ACSR	0.049	7.32	LL01-LL02	15	48	48
PL.24650	FRENCHBURG	FRNBURG3	ABC	1/0CU	0.022	7.52	LL01-LL02	38	43	43
PL.24654	FRENCHBURG	FRNBURG3	ABC	1/0CU	0.025	7.52	LL01-LL02	38	43	43
PL.26032	FRENCHBURG	FRNBURG3	ABC	336ACSR	0.031	7.32	LL01-LL02	15	47	47
PL.27279	FRENCHBURG	FRNBURG3	ABC	1/0CU	0.005	7.56	LL01-LL02	39	45	45
PL.27280	FRENCHBURG	FRNBURG3	ABC	1/0CU	0.014	7.56	LL01-LL02	39	45	45
PL.27875	FRENCHBURG	FRNBURG3	ABC	1/0CU	0.055	7.53	LL01-LL02	38	44	44
PL.27876	FRENCHBURG	FRNBURG3	ABC	1/0CU	0.080	7.52	LL01-LL02	38	43	44
PL.32861	FRENCHBURG	FRNBURG3	ABC	1/0CU	0.010	7.56	LL01-LL02	39	45	45
PL.9656	FRENCHBURG	FRNBURG3	ABC	1/0CU	0.058	7.55	LL01-LL02	39	45	45
PL.24655	FRENCHBURG	FRNBURG3	ABC	1/0CU	0.092	7.51	LL03-LL04	38	42	43
PL.12730	HARDWICH'S CREEK	OCD42	ABC	1/0ACSR	0.067	7.55	LL01-LL02	32	44	45
PL.12731	HARDWICH'S CREEK	OCD42	ABC	1/0ACSR	0.079	7.54	LL01-LL02	32	43	45
PL.12781	HARDWICH'S CREEK	OCD42	ABC	1/0ACSR	0.019	7.54	LL01-LL02	33	45	46
PL.12782	HARDWICH'S CREEK	OCD42	ABC	1/0ACSR	0.044	7.53	LL01-LL02	33	45	46
PL.12783	HARDWICH'S CREEK	OCD42	ABC	1/0ACSR	0.159	7.52	LL01-LL02	33	44	46
PL.15304	HARDWICH'S CREEK	OCD42	ABC	1/0ACSR	0.006	7.54	LL01-LL02	32	43	44
PL.18184	HARDWICH'S CREEK	OCD42	ABC	1/0ACSR	0.043	7.50	LL01-LL02	32	43	44
PL.18185	HARDWICH'S CREEK	OCD42	ABC	1/0ACSR	0.008	7.50	LL01-LL02	32	43	44
PL.20088	HARDWICH'S CREEK	OCD42	ABC	1/0ACSR	0.050	7.54	LL01-LL02	34	45	46
PL.21503	HARDWICH'S CREEK	OCD42	ABC	1/0ACSR	0.035	7.54	LL01-LL02	34	45	47
PL.41323	HARDWICH'S CREEK	OCD42	ABC	1/0ACSR	0.016	7.52	LL01-LL02	33	44	45
PL.41324	HARDWICH'S CREEK	OCD42	ABC	1/0ACSR	0.132	7.51	LL01-LL02	33	44	45
PL.8091	HARDWICH'S CREEK	OCD42	ABC	1/0ACSR	0.021	7.50	LL01-LL02	32	43	44
PL.8189	HARDWICH'S CREEK	OCD42	ABC	1/0ACSR	0.056	7.51	LL01-LL02	32	43	44
PL.31444	MARIBA	MARIBA	ABC	1/0ACSR	0.006	7.56	LL01-LL02	38	48	50
PL.19911	MARIBA	MARIBA3	ABC	6ACWC	0.064	7.54	LL00	46	52	53

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Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING JUL05 % Capacity (Bal)	LL2 JUL05 % Capacity (Bal)	LL4 JUL05 % Capacity (Bal)
PL.20022	MARIBA	MARIBA3	ABC	6ACWC	0.143	7.52	LL00	46	52	53
PL.23641	MARIBA	MARIBA3	ABC	6ACWC	0.097	7.41	LL00	42	47	48
PL.23642	MARIBA	MARIBA3	ABC	4ACSR	0.067	7.41	LL00	41	46	46
PL.26039	MARIBA	MARIBA3	ABC	6ACWC	0.084	7.51	LL00	44	50	50
PL.26041	MARIBA	MARIBA3	ABC	6ACWC	0.049	7.51	LL00	44	50	50
PL.26042	MARIBA	MARIBA3	ABC	6ACWC	0.179	7.49	LL00	44	49	50
PL.26043	MARIBA	MARIBA3	ABC	6ACWC	0.127	7.47	LL00	44	49	49
PL.26044	MARIBA	MARIBA3	ABC	6ACWC	0.063	7.46	LL00	43	49	49
PL.26045	MARIBA	MARIBA3	ABC	6ACWC	0.147	7.45	LL00	43	48	48
PL.26051	MARIBA	MARIBA3	ABC	6ACWC	0.005	7.41	LL00	41	46	46
PL.26052	MARIBA	MARIBA3	ABC	6ACWC	0.038	7.40	LL00	40	45	45
PL.26057	MARIBA	MARIBA3	ABC	6ACWC	0.180	7.37	LL00	40	44	45
PL.6070	MARIBA	MARIBA3	ABC	6ACWC	0.093	7.39	LL00	40	45	45
PL.6375	MARIBA	MARIBA3	ABC	6ACWC	0.031	7.43	LL00	42	47	48
PL.6376	MARIBA	MARIBA3	ABC	6ACWC	0.131	7.43	LL00	43	48	48
PL.25800	MARIBA	MARIBA3	ABC	6ACWC	0.295	7.34	LL01-LL02	39	43	44
PL.25801	MARIBA	MARIBA3	ABC	6ACWC	0.128	7.33	LL01-LL02	37	41	41
PL.25802	MARIBA	MARIBA3	ABC	6ACWC	0.042	7.32	LL01-LL02	37	40	41
PL.29071	MARIBA	MARIBA3	ABC	6ACWC	0.037	7.32	LL01-LL02	36	40	40
PL.12174	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.005	7.40	LL00	50	53	53
PL.12175	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.048	7.39	LL00	50	53	53
PL.12178	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.092	7.33	LL00	46	48	48
PL.12179	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.358	7.28	LL00	46	48	48
PL.12187	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.078	7.26	LL00	43	45	45
PL.180	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.011	7.34	LL00	46	48	48
PL.24982	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.137	7.27	LL00	43	45	45
PL.26139	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.070	7.36	LL00	48	50	50
PL.26140	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.181	7.34	LL00	48	50	50
PL.26145	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.034	7.38	LL00	48	50	50
PL.26147	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.018	7.37	LL00	48	50	50
PL.26966	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.019	7.45	LL00	51	53	53
PL.26967	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.050	7.44	LL00	51	53	53
PL.46057	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.038	7.38	LL00	48	50	50
PL.46058	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.006	7.37	LL00	48	50	50
PL.8723	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.128	7.52	LL00	58	60	60
PL.8724	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.129	7.50	LL00	58	60	60
PL.8733	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.211	7.47	LL00	52	54	54
PL.8734	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.087	7.46	LL00	51	54	54
PL.8735	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.016	7.45	LL00	51	53	54
PL.8736	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.030	7.45	LL00	51	53	54
PL.8737	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.145	7.42	LL00	51	53	53

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Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING JUL05 % Capacity (Bal)	LL2 JUL05 % Capacity (Bal)	LL4 JUL05 % Capacity (Bal)
PL.8738	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.044	7.38	LL00	50	52	53
PL.8739	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.141	7.40	LL00	50	53	53
PL.8740	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.020	7.40	LL00	50	53	53
PL.18453	REID VILLAGE	RDVILLAGE2	ABC	4ACSR	0.003	7.53	LL00	57	59	60
PL.18970	REID VILLAGE	RDVILLAGE2	ABC	1/0ACSR	0.087	7.54	LL00	36	38	38
PL.18971	REID VILLAGE	RDVILLAGE2	ABC	1/0ACSR	0.075	7.53	LL00	36	38	38
PL.26499	REID VILLAGE	RDVILLAGE2	ABC	1/0ACSR	0.091	7.55	LL00	38	39	40
PL.26501	REID VILLAGE	RDVILLAGE2	ABC	1/0ACSR	0.065	7.54	LL00	37	39	39
PL.28685	REID VILLAGE	RDVILLAGE2	ABC	1/0ACSR	0.032	7.56	LL00	38	40	40
PL.11920	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.073	7.48	LL01-LL02	32	43	44
PL.11921	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.071	7.47	LL01-LL02	32	43	44
PL.11922	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.008	7.46	LL01-LL02	31	42	43
PL.11923	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.066	7.46	LL01-LL02	31	42	43
PL.11924	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.058	7.45	LL01-LL02	29	40	41
PL.11925	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.092	7.44	LL01-LL02	29	40	41
PL.14606	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.237	7.37	LL01-LL02	29	39	41
PL.14622	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.002	7.46	LL01-LL02	31	42	43
PL.14623	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.075	7.45	LL01-LL02	30	40	41
PL.14624	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.032	7.43	LL01-LL02	29	40	41
PL.14625	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.077	7.43	LL01-LL02	29	40	41
PL.174	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.141	7.42	LL01-LL02	29	40	41
PL.18277	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.026	7.50	LL01-LL02	35	48	49
PL.18278	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.006	7.50	LL01-LL02	35	48	49
PL.19742	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.017	7.47	LL01-LL02	31	42	44
PL.19743	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.038	7.47	LL01-LL02	31	42	44
PL.31039	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.128	7.49	LL01-LL02	35	47	49
PL.31040	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.047	7.49	LL01-LL02	35	47	49
PL.39270	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.020	7.48	LL01-LL02	35	47	49
PL.39271	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.019	7.48	LL01-LL02	32	43	45
PL.39459	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.016	7.44	LL01-LL02	29	40	41
PL.41476	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.037	7.44	LL01-LL02	29	40	41
PL.41477	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.007	7.44	LL01-LL02	29	40	41
PL.7140	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.267	7.39	LL01-LL02	29	40	41
PL.7141	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.063	7.39	LL01-LL02	29	39	41
PL.29130	STANTON	STANTON	ABC	397ACSR	0.003	7.56	LL00	49	54	55
PL.32910	STANTON	STANTON	ABC	397ACSR	0.002	7.56	LL00	49	54	55
PL.19856	STANTON	STANTON2	ABC	1/0CU	0.030	7.48	LL00	53	59	60
PL.22765	STANTON	STANTON2	ABC	1/0CU	0.035	7.49	LL00	51	57	58
PL.28417	STANTON	STANTON2	ABC	1/0CU	0.127	7.49	LL00	51	57	58
PL.13271	STANTON	STANTON3	ABC	1/0ACSR	0.091	7.48	LL00	45	50	50
PL.13274	STANTON	STANTON3	ABC	1/0ACSR	0.161	7.44	LL00	38	42	42

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Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING JUL05 % Capacity (Bal)	LL2 JUL05 % Capacity (Bal)	LL4 JUL05 % Capacity (Bal)
PL.13277	STANTON	STANTON3	ABC	1/0ACSR	0.006	7.44	LL00	37	40	41
PL.17287	STANTON	STANTON3	ABC	1/0ACSR	0.005	7.47	LL00	38	42	42
PL.17288	STANTON	STANTON3	ABC	1/0ACSR	0.133	7.46	LL00	38	42	42
PL.17293	STANTON	STANTON3	ABC	1/0ACSR	0.006	7.52	LL00	48	54	54
PL.17296	STANTON	STANTON3	ABC	1/0ACSR	0.006	7.52	LL00	48	54	54
PL.18600	STANTON	STANTON3	ABC	1/0ACSR	0.009	7.49	LL00	45	51	51
PL.18601	STANTON	STANTON3	ABC	1/0ACSR	0.033	7.49	LL00	45	51	51
PL.18602	STANTON	STANTON3	ABC	1/0ACSR	0.030	7.50	LL00	47	53	53
PL.18603	STANTON	STANTON3	ABC	1/0ACSR	0.007	7.50	LL00	47	53	53
PL.18604	STANTON	STANTON3	ABC	1/0ACSR	0.068	7.51	LL00	48	54	54
PL.18605	STANTON	STANTON3	ABC	1/0ACSR	0.039	7.50	LL00	48	54	54
PL.19558	STANTON	STANTON3	ABC	1/0ACSR	0.094	7.43	LL00	37	40	41
PL.19797	STANTON	STANTON3	ABC	1/0ACSR	0.054	7.42	LL00	38	41	42
PL.19855	STANTON	STANTON3	ABC	1/0ACSR	0.007	7.43	LL00	38	41	42
PL.26470	STANTON	STANTON3	ABC	4ACSR	0.058	7.37	LL00	28	20	20
PL.26472	STANTON	STANTON3	ABC	4ACSR	0.029	7.38	LL00	29	20	21
PL.26473	STANTON	STANTON3	ABC	4ACSR	0.035	7.37	LL00	29	20	21
PL.28044	STANTON	STANTON3	ABC	1/0ACSR	0.083	7.43	LL00	37	40	40
PL.33244	STANTON	STANTON3	ABC	1/0ACSR	0.008	7.39	LL00	37	40	40
PL.33245	STANTON	STANTON3	ABC	1/0ACSR	0.000	7.39	LL00	37	40	40
PL.382	STANTON	STANTON3	ABC	1/0ACSR	0.061	7.47	LL00	38	42	42
PL.40298	STANTON	STANTON3	ABC	1/0ACSR	0.220	7.40	LL00	37	40	40
PL.40299	STANTON	STANTON3	ABC	1/0ACSR	0.099	7.40	LL00	37	40	40
PL.8096	STANTON	STANTON3	ABC	1/0ACSR	0.022	7.50	LL00	46	51	52
PL.8097	STANTON	STANTON3	ABC	1/0ACSR	0.018	7.50	LL00	46	51	52
PL.8098	STANTON	STANTON3	ABC	1/0ACSR	0.048	7.49	LL00	46	51	51
PL.8116	STANTON	STANTON3	ABC	1/0ACSR	0.034	7.47	LL00	38	42	42
PL.17538	STANTON	STANTON3	ABC	1/0ACSR	0.005	7.38	LL01-LL02	31	34	35
PL.20280	STANTON	STANTON3	ABC	1/0ACSR	0.073	7.38	LL01-LL02	32	35	36
PL.20760	STANTON	STANTON3	ABC	1/0ACSR	0.039	7.38	LL01-LL02	32	35	36
PL.20761	STANTON	STANTON3	ABC	1/0ACSR	0.039	7.38	LL01-LL02	31	34	35
PL.7428	STANTON	STANTON3	ABC	1/0ACSR	0.064	7.39	LL01-LL02	32	35	36
PL.17357	STANTON	STANTON4	ABC	397ACSR	0.006	7.55	LL00	49	54	55
PL.32911	STANTON	STANTON4	ABC	397ACSR	0.057	7.55	LL00	49	54	55
PL.13843	STANTON	STANTON4	ABC	397ACSR	0.010	7.55	LL01-LL02	44	49	50
PL.13844	STANTON	STANTON4	ABC	397ACSR	0.083	7.54	LL01-LL02	44	49	50
PL.13845	STANTON	STANTON4	ABC	397ACSR	0.027	7.54	LL01-LL02	44	49	50
PL.13846	STANTON	STANTON4	ABC	397ACSR	0.022	7.54	LL01-LL02	43	49	50
PL.17176	STANTON	STANTON4	ABC	336ACSR	0.006	7.51	LL01-LL02	46	51	52
PL.20191	STANTON	STANTON4	ABC	336ACSR	0.068	7.52	LL01-LL02	45	50	51
PL.20192	STANTON	STANTON4	ABC	336ACSR	0.082	7.51	LL01-LL02	46	51	52

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Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING JUL05 % Capacity (Bal)	LL2 JUL05 % Capacity (Bal)	LL4 JUL05 % Capacity (Bal)
PL.38748	STANTON	STANTON4	ABC	397ACSR	0.003	7.53	LL01-LL02	42	47	48
PL.38749	STANTON	STANTON4	ABC	397ACSR	0.003	7.53	LL01-LL02	42	47	48
PL.7453	STANTON	STANTON4	ABC	397ACSR	0.066	7.55	LL01-LL02	44	49	50
PL.7458	STANTON	STANTON4	ABC	397ACSR	0.115	7.52	LL01-LL02	42	47	48
PL.7460	STANTON	STANTON4	ABC	397ACSR	0.020	7.53	LL01-LL02	42	47	48
PL.20179	TREEHAVEN	TREEHAVEN2	ABC	1/0ACSR	0.028	7.55	LL00	46	48	49
PL.20185	TREEHAVEN	TREEHAVEN2	ABC	1/0ACSR	0.021	7.56	LL00	44	47	48
PL.20178	TREEHAVEN	TREEHAVEN2	ABC	1/0ACSR	0.004	7.55	LL01-LL02	43	46	46
PL.20184	TREEHAVEN	TREEHAVEN2	ABC	1/0ACSR	0.005	7.56	LL01-LL02	46	49	49
PL.304	TREEHAVEN	TREEHAVEN2	ABC	1/0ACSR	0.029	7.56	LL01-LL02	46	49	49
PL.8783	TREEHAVEN	TREEHAVEN2	ABC	1/0ACSR	0.029	7.55	LL01-LL02	43	46	46
PL.21668	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.234	15.07	LL01-LL02	23	38	40
PL.21669	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.011	15.06	LL01-LL02	23	38	40
PL.297	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.132	15.11	LL01-LL02	23	39	41
PL.32999	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.170	15.09	LL01-LL02	23	39	41
PL.33000	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.079	15.09	LL01-LL02	23	38	41
PL.5375	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.045	15.06	LL01-LL02	20	34	36
PL.8396	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.115	15.10	LL01-LL02	23	39	41
PL.8557	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.093	15.04	LL01-LL02	20	33	35
PL.9013	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.086	15.09	LL01-LL02	23	38	41
PL.9014	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.196	15.08	LL01-LL02	23	38	40
PL.9027	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.099	15.06	LL01-LL02	20	34	36
PL.9028	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.034	15.06	LL01-LL02	20	34	36
PL.9029	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.064	15.05	LL01-LL02	20	34	36
PL.9030	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.051	15.05	LL01-LL02	20	33	36
PL.9031	UNION CITY	UNIONCITY2	ABC	1/0ACSR	0.064	15.05	LL01-LL02	20	33	35
PL.29115	VAN METER	VAN METER	ABC	1/0ACSR	0.022	7.56	LL00	46	48	48
PL.32886	VAN METER	VAN METER	ABC	1/0ACSR	0.005	7.56	LL00	46	48	48
PL.32887	VAN METER	VANMTR3	ABC	1/0ACSR	0.324	7.52	LL00	46	48	48
PL.6798	VAN METER	VANMTR3	ABC	1/0ACSR	0.092	7.43	LL00	45	47	47
PL.6799	VAN METER	VANMTR3	ABC	1/0ACSR	0.110	7.42	LL00	45	46	47
PL.8494	VAN METER	VANMTR3	ABC	1/0ACSR	0.118	7.50	LL00	46	48	48
PL.9203	VAN METER	VANMTR3	ABC	1/0ACSR	0.277	7.36	LL00	43	45	45
PL.9208	VAN METER	VANMTR3	ABC	1/0ACSR	0.076	7.39	LL00	43	45	46
PL.9209	VAN METER	VANMTR3	ABC	1/0ACSR	0.012	7.39	LL00	44	46	46
PL.9210	VAN METER	VANMTR3	ABC	1/0ACSR	0.089	7.41	LL00	44	46	46
PL.9211	VAN METER	VANMTR3	ABC	1/0ACSR	0.149	7.39	LL00	44	46	46
PL.9238	VAN METER	VANMTR3	ABC	1/0ACSR	0.084	7.52	LL00	46	48	48
PL.9797	VAN METER	VANMTR3	ABC	1/0ACSR	0.153	7.49	LL00	45	47	48
PL.9799	VAN METER	VANMTR3	ABC	1/0ACSR	0.152	7.47	LL00	45	47	47
PL.9800	VAN METER	VANMTR3	ABC	1/0ACSR	0.108	7.46	LL00	45	47	47

Summer_Conductor>Loading_50pt

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING JUL05 % Capacity (Bal)	LL2 JUL05 % Capacity (Bal)	LL4 JUL05 % Capacity (Bal)
PL.9801	VAN METER	VANMTR3	ABC	1/0ACSR	0.029	7.46	LL00	45	47	47
PL.9802	VAN METER	VANMTR3	ABC	1/0ACSR	0.032	7.46	LL00	45	47	47
PL.9803	VAN METER	VANMTR3	ABC	1/0ACSR	0.196	7.44	LL00	45	47	47

Summer_Low_Voltage

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
								JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.25098	BOWEN	BOWEN1	ABC	6ACWC	0.09	7.29	LL00	121.45	121.29	121.27
PL.28128	BOWEN	BOWEN1	ABC	1/0ACSR	0.01	7.29	LL00	121.44	121.28	121.26
PL.25097	BOWEN	BOWEN1	ABC	6ACWC	0.06	7.30	LL01-LL02	121.64	121.48	121.47
PL.25269	BOWEN	BOWEN1	ABC	6ACWC	0.02	7.31	LL01-LL02	121.77	121.62	121.61
PL.14370	BOWEN	BOWEN3	B	4ACSR	0.34	7.06	LL00	117.61	117.24	117.20
PL.16197	BOWEN	BOWEN3	B	4ACSR	0.20	7.07	LL00	117.81	117.44	117.40
PL.16198	BOWEN	BOWEN3	B	4ACSR	0.89	7.08	LL00	118.00	117.63	117.59
PL.18562	BOWEN	BOWEN3	B	4ACSR	0.22	7.08	LL00	117.94	117.58	117.54
PL.18593	BOWEN	BOWEN3	B	4ACSR	0.18	7.07	LL00	117.90	117.53	117.49
PL.19463	BOWEN	BOWEN3	B	4ACSR	0.55	7.06	LL00	117.67	117.30	117.26
PL.21313	BOWEN	BOWEN3	B	4ACSR	0.03	7.06	LL00	117.63	117.26	117.22
PL.21314	BOWEN	BOWEN3	B	4ACSR	0.06	7.06	LL00	117.61	117.24	117.21
PL.28629	BOWEN	BOWEN3	B	4ACSR	0.12	7.06	LL00	117.63	117.27	117.23
PL.5317	BOWEN	BOWEN3	B	4ACSR	0.17	7.08	LL00	118.00	117.63	117.59
PL.5321	BOWEN	BOWEN3	B	4ACSR	0.04	7.06	LL00	117.60	117.23	117.19
PL.8332	BOWEN	BOWEN3	B	4ACSR	0.17	7.08	LL00	118.00	117.63	117.59
PL.8333	BOWEN	BOWEN3	B	4ACSR	0.00	7.08	LL00	118.00	117.63	117.59
PL.8334	BOWEN	BOWEN3	B	4ACSR	0.15	7.07	LL00	117.86	117.49	117.45
PL.14369	BOWEN	BOWEN3	B	4ACSR	0.26	7.10	LL01-LL02	118.31	117.95	117.91
PL.20147	BOWEN	BOWEN3	B	4ACSR	0.18	7.09	LL01-LL02	118.22	117.86	117.82
PL.37605	BOWEN	BOWEN3	B	2ACSR	0.04	7.10	LL01-LL02	118.31	117.94	117.90
PL.37606	BOWEN	BOWEN3	B	4ACSR	0.03	7.10	LL01-LL02	118.31	117.94	117.91
PL.37607	BOWEN	BOWEN3	B	4ACSR	0.15	7.10	LL01-LL02	118.27	117.90	117.87
PL.17268	BOWEN	BOWEN3	B	4ACSR	0.14	7.10	LL03-LL04	118.39	118.02	117.99
PL.19583	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.27	7.20	LL01-LL02	119.97	118.13	117.93
PL.19584	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.11	7.19	LL01-LL02	119.83	117.95	117.74
PL.23029	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	7.19	LL01-LL02	119.89	117.90	117.67
PL.23032	FRENCHBURG	FRNBURG1	A	4ACSR	0.02	7.19	LL01-LL02	119.90	117.91	117.69
PL.23033	FRENCHBURG	FRNBURG1	A	4ACSR	0.34	7.19	LL01-LL02	119.89	117.90	117.67
PL.23034	FRENCHBURG	FRNBURG1	A	4ACSR	0.04	7.19	LL01-LL02	119.90	117.91	117.68
PL.23167	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	7.19	LL01-LL02	119.90	117.91	117.68
PL.23265	FRENCHBURG	FRNBURG1	A	4ACSR	0.12	7.19	LL01-LL02	119.90	117.91	117.68
PL.28562	FRENCHBURG	FRNBURG1	A	4ACSR	0.10	7.20	LL01-LL02	119.95	117.98	117.76
PL.28563	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	7.20	LL01-LL02	119.93	117.95	117.73
PL.28564	FRENCHBURG	FRNBURG1	A	4ACSR	0.05	7.20	LL01-LL02	119.92	117.93	117.71
PL.28624	FRENCHBURG	FRNBURG1	A	4ACSR	0.04	7.19	LL01-LL02	119.91	117.92	117.69
PL.28810	FRENCHBURG	FRNBURG1	A	4ACSR	0.08	7.19	LL01-LL02	119.90	117.91	117.69
PL.2913	FRENCHBURG	FRNBURG1	C	4ACSR	0.06	7.16	LL01-LL02	119.36	117.46	117.24
PL.36077	FRENCHBURG	FRNBURG1	A	2ACSR	0.05	7.19	LL01-LL02	119.89	117.90	117.67

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.41012	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	7.20	LL01-LL02	119.95	117.98	117.76
PL.41013	FRENCHBURG	FRNBURG1	A	4ACSR	0.09	7.20	LL01-LL02	119.95	117.98	117.75
PL.41016	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	7.19	LL01-LL02	119.90	117.91	117.68
PL.41017	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	7.19	LL01-LL02	119.90	117.91	117.68
PL.41471	FRENCHBURG	FRNBURG1	A	4ACSR	0.04	7.19	LL01-LL02	119.91	117.92	117.70
PL.41472	FRENCHBURG	FRNBURG1	A	4ACSR	0.02	7.19	LL01-LL02	119.91	117.93	117.70
PL.41473	FRENCHBURG	FRNBURG1	A	4ACSR	0.03	7.19	LL01-LL02	119.91	117.92	117.70
PL.41760	FRENCHBURG	FRNBURG1	C	4ACSR	0.01	7.16	LL01-LL02	119.37	117.48	117.26
PL.41761	FRENCHBURG	FRNBURG1	C	4ACSR	0.11	7.16	LL01-LL02	119.36	117.46	117.25
PL.46539	FRENCHBURG	FRNBURG1	A	1/0EPRJCN	0.04	7.19	LL01-LL02	119.90	117.91	117.68
PL.9470	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.27	7.17	LL01-LL02	119.50	117.51	117.29
PL.21530	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	7.20	LL03-LL04	120.06	118.12	117.90
PL.21531	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	7.20	LL03-LL04	120.04	118.09	117.87
PL.22598	FRENCHBURG	FRNBURG1	A	4ACSR	0.04	7.20	LL03-LL04	120.01	118.05	117.83
PL.22599	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	7.20	LL03-LL04	120.01	118.05	117.83
PL.23030	FRENCHBURG	FRNBURG1	A	4ACSR	0.00	7.20	LL03-LL04	120.01	118.06	117.84
PL.23031	FRENCHBURG	FRNBURG1	A	4ACSR	0.22	7.20	LL03-LL04	120.01	118.06	117.84
PL.23589	FRENCHBURG	FRNBURG1	A	4ACSR	0.11	7.20	LL03-LL04	120.01	118.05	117.83
PL.23590	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	7.20	LL03-LL04	120.01	118.05	117.83
PL.23591	FRENCHBURG	FRNBURG1	A	4ACSR	0.10	7.20	LL03-LL04	120.01	118.05	117.83
PL.23593	FRENCHBURG	FRNBURG1	A	4ACSR	0.11	7.20	LL03-LL04	120.01	118.05	117.83
PL.28557	FRENCHBURG	FRNBURG1	A	4ACSR	0.02	7.21	LL03-LL04	120.09	118.16	117.94
PL.28558	FRENCHBURG	FRNBURG1	A	4ACSR	0.05	7.20	LL03-LL04	120.01	118.06	117.84
PL.28559	FRENCHBURG	FRNBURG1	A	4ACSR	0.09	7.20	LL03-LL04	119.98	118.02	117.80
PL.28560	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	7.20	LL03-LL04	120.01	118.05	117.83
PL.28561	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	7.20	LL03-LL04	120.01	118.05	117.83
PL.2909	FRENCHBURG	FRNBURG1	C	4ACSR	0.09	7.20	LL03-LL04	119.92	118.18	117.98
PL.40906	FRENCHBURG	FRNBURG1	A	4ACSR	0.23	7.21	LL03-LL04	120.10	118.17	117.95
PL.40907	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	7.21	LL03-LL04	120.10	118.17	117.95
PL.40910	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	7.21	LL03-LL04	120.10	118.17	117.95
PL.40911	FRENCHBURG	FRNBURG1	A	4ACSR	0.09	7.21	LL03-LL04	120.09	118.17	117.95
PL.41008	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	7.20	LL03-LL04	120.01	118.06	117.84
PL.41009	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	7.20	LL03-LL04	120.01	118.06	117.84
PL.41010	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	7.20	LL03-LL04	120.01	118.06	117.84
PL.41011	FRENCHBURG	FRNBURG1	A	4ACSR	0.08	7.20	LL03-LL04	120.01	118.06	117.83
PL.41730	FRENCHBURG	FRNBURG1	C	4ACSR	0.00	7.20	LL03-LL04	119.93	118.19	117.99
PL.41731	FRENCHBURG	FRNBURG1	C	4ACSR	0.10	7.20	LL03-LL04	119.92	118.18	117.99
PL.9471	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.18	7.22	LL03-LL04	120.31	118.58	118.38
PL.9472	FRENCHBURG	FRNBURG1	C	4ACSR	0.07	7.20	LL03-LL04	119.92	118.18	117.98

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.9473	FRENCHBURG	FRNBURG1	C	4ACSR	0.04	7.20 LL03-LL04	119.92	118.18	117.98	
PL.19476	FRENCHBURG	FRNBURG2	B	4ACSR	0.11	7.13 LL01-LL02	118.76	116.95	116.74	
PL.19477	FRENCHBURG	FRNBURG2	B	4ACSR	0.06	7.13 LL01-LL02	118.77	116.96	116.75	
PL.20389	FRENCHBURG	FRNBURG2	B	4ACSR	0.05	7.15 LL01-LL02	119.11	117.41	117.22	
PL.20448	FRENCHBURG	FRNBURG2	B	4ACSR	0.06	7.17 LL01-LL02	119.54	117.98	117.80	
PL.20449	FRENCHBURG	FRNBURG2	B	4ACSR	0.01	7.17 LL01-LL02	119.54	117.97	117.80	
PL.21113	FRENCHBURG	FRNBURG2	B	4ACSR	0.12	7.13 LL01-LL02	118.76	116.94	116.74	
PL.21115	FRENCHBURG	FRNBURG2	B	4ACSR	0.04	7.13 LL01-LL02	118.89	117.11	116.91	
PL.23273	FRENCHBURG	FRNBURG2	B	4ACSR	0.06	7.13 LL01-LL02	118.78	116.97	116.77	
PL.23274	FRENCHBURG	FRNBURG2	B	4ACSR	0.06	7.13 LL01-LL02	118.78	116.97	116.76	
PL.25735	FRENCHBURG	FRNBURG2	B	4ACSR	0.08	7.13 LL01-LL02	118.77	116.96	116.76	
PL.25736	FRENCHBURG	FRNBURG2	B	4ACSR	0.08	7.13 LL01-LL02	118.78	116.98	116.77	
PL.25738	FRENCHBURG	FRNBURG2	B	4ACSR	0.02	7.13 LL01-LL02	118.76	116.95	116.74	
PL.40592	FRENCHBURG	FRNBURG2	B	4ACSR	0.08	7.17 LL01-LL02	119.50	117.92	117.74	
PL.40593	FRENCHBURG	FRNBURG2	B	4ACSR	0.80	7.15 LL01-LL02	119.14	117.44	117.25	
PL.45143	FRENCHBURG	FRNBURG2	B	4ACSR	0.08	7.13 LL01-LL02	118.77	116.96	116.76	
PL.45144	FRENCHBURG	FRNBURG2	B	4ACSR	0.05	7.13 LL01-LL02	118.77	116.96	116.75	
PL.6352	FRENCHBURG	FRNBURG2	B	4ACSR	0.07	7.13 LL01-LL02	118.80	117.00	116.80	
PL.6353	FRENCHBURG	FRNBURG2	B	4ACSR	0.16	7.13 LL01-LL02	118.81	117.02	116.82	
PL.6359	FRENCHBURG	FRNBURG2	B	4ACSR	0.12	7.13 LL01-LL02	118.85	117.07	116.87	
PL.6360	FRENCHBURG	FRNBURG2	B	4ACSR	0.12	7.13 LL01-LL02	118.89	117.11	116.91	
PL.6372	FRENCHBURG	FRNBURG2	B	4ACSR	0.44	7.14 LL01-LL02	118.93	117.17	116.97	
PL.6373	FRENCHBURG	FRNBURG2	B	4ACSR	0.09	7.14 LL01-LL02	119.08	117.37	117.18	
PL.19962	FRENCHBURG	FRNBURG2	B	4ACSR	0.08	7.18 LL03-LL04	119.69	118.17	118.00	
PL.25733	FRENCHBURG	FRNBURG2	B	4ACSR	0.09	7.18 LL03-LL04	119.64	118.10	117.93	
PL.25734	FRENCHBURG	FRNBURG2	B	4ACSR	0.12	7.17 LL03-LL04	119.57	118.02	117.84	
PL.21869	FRENCHBURG	FRNBURG4	A	4ACSR	0.14	7.08 LL00	117.98	115.35	115.05	
PL.22116	FRENCHBURG	FRNBURG4	A	4ACSR	0.00	7.08 LL00	117.98	115.35	115.05	
PL.22117	FRENCHBURG	FRNBURG4	A	4ACSR	0.20	7.08 LL00	117.97	115.35	115.05	
PL.22118	FRENCHBURG	FRNBURG4	A	4ACSR	0.16	7.03 LL00	117.23	114.33	114.00	
PL.22119	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.03 LL00	117.20	114.30	113.97	
PL.22190	FRENCHBURG	FRNBURG4	A	4ACSR	0.40	7.07 LL00	117.79	115.10	114.79	
PL.22667	FRENCHBURG	FRNBURG4	A	4ACSR	0.10	7.05 LL00	117.47	114.66	114.34	
PL.28599	FRENCHBURG	FRNBURG4	A	4ACSR	0.52	7.05 LL00	117.51	114.73	114.40	
PL.28600	FRENCHBURG	FRNBURG4	A	4ACSR	0.36	7.04 LL00	117.30	114.43	114.10	
PL.28601	FRENCHBURG	FRNBURG4	A	4ACSR	0.07	7.07 LL00	117.76	115.06	114.74	
PL.29226	FRENCHBURG	FRNBURG4	A	4ACSR	0.14	7.02 LL00	116.96	113.98	113.63	
PL.29227	FRENCHBURG	FRNBURG4	A	4ACSR	0.18	7.02 LL00	117.03	114.07	113.72	
PL.29228	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.02 LL00	117.02	114.05	113.71	

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.29229	FRENCHBURG	FRNBURG4	A	4ACSR	0.09	7.02	LL00	116.93	113.93	113.59
PL.29230	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.01	LL00	116.91	113.91	113.56
PL.29231	FRENCHBURG	FRNBURG4	A	4ACSR	0.12	7.01	LL00	116.88	113.86	113.51
PL.29232	FRENCHBURG	FRNBURG4	A	4ACSR	0.09	7.01	LL00	116.85	113.82	113.47
PL.29237	FRENCHBURG	FRNBURG4	A	4ACSR	0.08	7.01	LL00	116.83	113.80	113.45
PL.29238	FRENCHBURG	FRNBURG4	A	4ACSR	0.19	7.01	LL00	116.80	113.76	113.41
PL.29239	FRENCHBURG	FRNBURG4	A	4ACSR	0.07	7.01	LL00	116.79	113.75	113.40
PL.29240	FRENCHBURG	FRNBURG4	A	4ACSR	0.00	7.01	LL00	116.79	113.75	113.40
PL.29241	FRENCHBURG	FRNBURG4	A	4ACSR	0.17	7.01	LL00	116.78	113.72	113.37
PL.29243	FRENCHBURG	FRNBURG4	A	4ACSR	0.21	7.03	LL00	117.11	114.17	113.84
PL.29244	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.01	LL00	116.77	113.72	113.37
PL.29541	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.01	LL00	116.77	113.71	113.36
PL.29542	FRENCHBURG	FRNBURG4	A	4ACSR	0.10	7.01	LL00	116.77	113.71	113.36
PL.29562	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.02	LL00	117.03	114.06	113.72
PL.29563	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.02	LL00	117.02	114.05	113.71
PL.29564	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.02	LL00	116.93	113.93	113.58
PL.29565	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.01	LL00	116.91	113.91	113.56
PL.29566	FRENCHBURG	FRNBURG4	A	4ACSR	0.08	7.01	LL00	116.84	113.81	113.46
PL.29567	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.01	LL00	116.83	113.80	113.45
PL.29568	FRENCHBURG	FRNBURG4	A	4ACSR	0.13	7.01	LL00	116.80	113.76	113.40
PL.29569	FRENCHBURG	FRNBURG4	A	4ACSR	0.10	7.01	LL00	116.79	113.75	113.39
PL.21534	FRENCHBURG	FRNBURG4	A	4ACSR	0.88	7.16	LL01-LL02	119.41	117.29	117.04
PL.21535	FRENCHBURG	FRNBURG4	A	4ACSR	0.23	7.15	LL01-LL02	119.18	116.98	116.72
PL.21671	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.12	LL01-LL02	118.63	116.25	115.97
PL.21672	FRENCHBURG	FRNBURG4	A	4ACSR	0.59	7.09	LL01-LL02	118.19	115.65	115.36
PL.21673	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.09	LL01-LL02	118.21	115.67	115.38
PL.21675	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.08	LL01-LL02	118.04	115.44	115.14
PL.21842	FRENCHBURG	FRNBURG4	A	4ACSR	0.73	7.12	LL01-LL02	118.71	116.35	116.08
PL.21843	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.12	LL01-LL02	118.70	116.34	116.07
PL.21844	FRENCHBURG	FRNBURG4	A	4ACSR	0.08	7.12	LL01-LL02	118.70	116.34	116.07
PL.21846	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.12	LL01-LL02	118.69	116.33	116.06
PL.21847	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.12	LL01-LL02	118.69	116.33	116.06
PL.21848	FRENCHBURG	FRNBURG4	A	4ACSR	0.09	7.12	LL01-LL02	118.69	116.33	116.06
PL.22112	FRENCHBURG	FRNBURG4	A	4ACSR	0.00	7.12	LL01-LL02	118.71	116.35	116.08
PL.22113	FRENCHBURG	FRNBURG4	A	4ACSR	0.09	7.12	LL01-LL02	118.70	116.35	116.07
PL.22120	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.09	LL01-LL02	118.22	115.68	115.39
PL.22121	FRENCHBURG	FRNBURG4	A	4ACSR	0.00	7.10	LL01-LL02	118.33	115.83	115.54
PL.22124	FRENCHBURG	FRNBURG4	A	4ACSR	0.12	7.12	LL01-LL02	118.66	116.29	116.02
PL.22125	FRENCHBURG	FRNBURG4	A	4ACSR	0.11	7.12	LL01-LL02	118.66	116.30	116.02

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.22191	FRENCHBURG	FRNBURG4	A	4ACSR	0.00	7.12	LL01-LL02	118.64	116.26	115.99
PL.22192	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.12	LL01-LL02	118.63	116.25	115.98
PL.22193	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.12	LL01-LL02	118.63	116.25	115.98
PL.22194	FRENCHBURG	FRNBURG4	A	4ACSR	0.08	7.12	LL01-LL02	118.63	116.26	115.98
PL.22195	FRENCHBURG	FRNBURG4	A	4ACSR	0.10	7.12	LL01-LL02	118.63	116.25	115.97
PL.22196	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.12	LL01-LL02	118.63	116.25	115.98
PL.22197	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.12	LL01-LL02	118.63	116.25	115.98
PL.22198	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.12	LL01-LL02	118.63	116.25	115.97
PL.22199	FRENCHBURG	FRNBURG4	A	4ACSR	0.03	7.12	LL01-LL02	118.63	116.25	115.97
PL.22200	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.12	LL01-LL02	118.63	116.25	115.97
PL.22326	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.12	LL01-LL02	118.63	116.25	115.98
PL.22327	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.12	LL01-LL02	118.63	116.25	115.97
PL.22451	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.12	LL01-LL02	118.70	116.34	116.07
PL.22453	FRENCHBURG	FRNBURG4	A	4ACSR	0.11	7.12	LL01-LL02	118.67	116.30	116.03
PL.22454	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.12	LL01-LL02	118.67	116.31	116.04
PL.22455	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.12	LL01-LL02	118.67	116.31	116.03
PL.22456	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.12	LL01-LL02	118.70	116.34	116.07
PL.22457	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.12	LL01-LL02	118.70	116.34	116.07
PL.22529	FRENCHBURG	FRNBURG4	A	4ACSR	0.07	7.12	LL01-LL02	118.64	116.26	115.99
PL.22530	FRENCHBURG	FRNBURG4	A	4ACSR	0.07	7.12	LL01-LL02	118.70	116.34	116.07
PL.22531	FRENCHBURG	FRNBURG4	A	4ACSR	0.11	7.12	LL01-LL02	118.65	116.27	116.00
PL.22607	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.12	LL01-LL02	118.67	116.30	116.03
PL.22608	FRENCHBURG	FRNBURG4	A	4ACSR	0.03	7.12	LL01-LL02	118.63	116.25	115.97
PL.22609	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.12	LL01-LL02	118.63	116.25	115.97
PL.22665	FRENCHBURG	FRNBURG4	A	4ACSR	0.60	7.08	LL01-LL02	118.04	115.45	115.15
PL.22666	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.12	LL01-LL02	118.69	116.33	116.06
PL.22968	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.14	LL01-LL02	119.02	116.76	116.50
PL.22969	FRENCHBURG	FRNBURG4	A	4ACSR	0.20	7.14	LL01-LL02	118.95	116.67	116.41
PL.23081	FRENCHBURG	FRNBURG4	A	4ACSR	0.08	7.12	LL01-LL02	118.68	116.32	116.05
PL.23082	FRENCHBURG	FRNBURG4	A	4ACSR	0.07	7.09	LL01-LL02	118.19	115.65	115.35
PL.23084	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.12	LL01-LL02	118.69	116.33	116.06
PL.23615	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.12	LL01-LL02	118.66	116.30	116.02
PL.23616	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.12	LL01-LL02	118.63	116.25	115.97
PL.23617	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.09	LL01-LL02	118.19	115.65	115.35
PL.23618	FRENCHBURG	FRNBURG4	A	4ACSR	0.13	7.09	LL01-LL02	118.19	115.65	115.35
PL.23619	FRENCHBURG	FRNBURG4	A	4ACSR	0.09	7.12	LL01-LL02	118.63	116.25	115.98
PL.23620	FRENCHBURG	FRNBURG4	A	4ACSR	0.03	7.12	LL01-LL02	118.63	116.25	115.98
PL.23621	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.12	LL01-LL02	118.63	116.25	115.97
PL.28221	FRENCHBURG	FRNBURG4	A	4ACSR	0.00	7.12	LL01-LL02	118.66	116.30	116.02

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.28222	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.12	LL01-LL02	118.68	116.32	116.05
PL.28223	FRENCHBURG	FRNBURG4	A	4ACSR	0.11	7.12	LL01-LL02	118.67	116.31	116.04
PL.28532	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.14	LL01-LL02	119.01	116.76	116.50
PL.28533	FRENCHBURG	FRNBURG4	A	4ACSR	1.04	7.10	LL01-LL02	118.33	115.83	115.55
PL.28552	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.12	LL01-LL02	118.63	116.26	115.98
PL.28553	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.12	LL01-LL02	118.63	116.26	115.98
PL.28585	FRENCHBURG	FRNBURG4	A	4ACSR	0.03	7.12	LL01-LL02	118.68	116.33	116.05
PL.28586	FRENCHBURG	FRNBURG4	A	4ACSR	0.12	7.12	LL01-LL02	118.66	116.30	116.02
PL.28602	FRENCHBURG	FRNBURG4	A	4ACSR	0.16	7.14	LL01-LL02	119.02	116.77	116.51
PL.29559	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.09	LL01-LL02	118.22	115.68	115.39
PL.33047	FRENCHBURG	FRNBURG4	A	4ACSR	0.07	7.12	LL01-LL02	118.69	116.34	116.07
PL.34962	FRENCHBURG	FRNBURG4	A	1/0EPRJCN	0.03	7.09	LL01-LL02	118.24	115.72	115.43
PL.34964	FRENCHBURG	FRNBURG4	A	4ACSR	0.15	7.09	LL01-LL02	118.22	115.68	115.39
PL.35626	FRENCHBURG	FRNBURG4	A	4ACSR	0.08	7.12	LL01-LL02	118.68	116.32	116.05
PL.35627	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.12	LL01-LL02	118.68	116.32	116.05
PL.45185	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.12	LL01-LL02	118.69	116.33	116.06
PL.45186	FRENCHBURG	FRNBURG4	A	4ACSR	0.00	7.12	LL01-LL02	118.69	116.33	116.06
PL.45317	FRENCHBURG	FRNBURG4	A	4ACSR	0.21	7.10	LL01-LL02	118.26	115.74	115.45
PL.45318	FRENCHBURG	FRNBURG4	A	4ACSR	0.37	7.10	LL01-LL02	118.26	115.74	115.45
PL.45319	FRENCHBURG	FRNBURG4	A	4ACSR	0.09	7.09	LL01-LL02	118.24	115.72	115.43
PL.45320	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.10	LL01-LL02	118.26	115.74	115.45
PL.12865	HARDWICH'S CREEK	OCD42	C	4ACSR	0.23	7.19	LL01-LL02	119.91	117.76	117.51
PL.12866	HARDWICH'S CREEK	OCD42	C	4ACSR	0.10	7.19	LL01-LL02	119.79	117.60	117.35
PL.12867	HARDWICH'S CREEK	OCD42	C	4ACSR	0.12	7.18	LL01-LL02	119.65	117.41	117.15
PL.12868	HARDWICH'S CREEK	OCD42	C	4ACSR	0.15	7.17	LL01-LL02	119.50	117.21	116.94
PL.12869	HARDWICH'S CREEK	OCD42	C	4ACSR	0.10	7.16	LL01-LL02	119.40	117.07	116.80
PL.12870	HARDWICH'S CREEK	OCD42	C	4ACSR	0.15	7.16	LL01-LL02	119.26	116.88	116.60
PL.12871	HARDWICH'S CREEK	OCD42	C	4ACSR	0.02	7.15	LL01-LL02	119.20	116.79	116.51
PL.12872	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.15	LL01-LL02	119.16	116.74	116.46
PL.12873	HARDWICH'S CREEK	OCD42	C	4ACSR	0.15	7.14	LL01-LL02	118.92	116.41	116.12
PL.12874	HARDWICH'S CREEK	OCD42	C	4ACSR	0.02	7.13	LL01-LL02	118.91	116.39	116.10
PL.12875	HARDWICH'S CREEK	OCD42	C	4ACSR	0.06	7.14	LL01-LL02	118.92	116.41	116.12
PL.12876	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.13	LL01-LL02	118.88	116.35	116.06
PL.12877	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.13	LL01-LL02	118.87	116.34	116.05
PL.12878	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.13	LL01-LL02	118.81	116.26	115.96
PL.12879	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.13	LL01-LL02	118.81	116.26	115.96
PL.12880	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.13	LL01-LL02	118.81	116.26	115.96
PL.12881	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.15	LL01-LL02	119.14	116.71	116.43
PL.12882	HARDWICH'S CREEK	OCD42	C	4ACSR	0.12	7.14	LL01-LL02	119.04	116.57	116.29

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.12883	HARDWICH'S CREEK	OCD42	C	4ACSR	0.06	7.13	LL01-LL02	118.82	116.27	115.98
PL.12885	HARDWICH'S CREEK	OCD42	C	4ACSR	0.16	7.13	LL01-LL02	118.77	116.20	115.91
PL.12886	HARDWICH'S CREEK	OCD42	C	4ACSR	0.09	7.13	LL01-LL02	118.76	116.19	115.89
PL.12889	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.13	LL01-LL02	118.77	116.20	115.91
PL.12890	HARDWICH'S CREEK	OCD42	C	4ACSR	0.10	7.12	LL01-LL02	118.73	116.15	115.85
PL.12891	HARDWICH'S CREEK	OCD42	C	4ACSR	0.11	7.12	LL01-LL02	118.72	116.14	115.84
PL.12892	HARDWICH'S CREEK	OCD42	C	4ACSR	0.33	7.12	LL01-LL02	118.71	116.12	115.83
PL.15183	HARDWICH'S CREEK	OCD42	C	4ACSR	0.10	7.12	LL01-LL02	118.74	116.16	115.86
PL.15184	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.12	LL01-LL02	118.74	116.16	115.86
PL.15185	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.14	LL01-LL02	118.92	116.41	116.12
PL.15186	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.14	LL01-LL02	118.92	116.41	116.12
PL.15187	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.13	LL01-LL02	118.91	116.39	116.10
PL.15188	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.13	LL01-LL02	118.89	116.36	116.07
PL.15189	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.13	LL01-LL02	118.91	116.39	116.10
PL.15190	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.14	LL01-LL02	119.04	116.57	116.29
PL.15191	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.14	LL01-LL02	119.04	116.57	116.29
PL.15192	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.14	LL01-LL02	119.04	116.57	116.29
PL.15193	HARDWICH'S CREEK	OCD42	C	4ACSR	0.09	7.14	LL01-LL02	119.04	116.57	116.29
PL.15194	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.15	LL01-LL02	119.14	116.71	116.43
PL.15195	HARDWICH'S CREEK	OCD42	C	4ACSR	0.02	7.15	LL01-LL02	119.14	116.71	116.43
PL.15196	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.15	LL01-LL02	119.20	116.79	116.51
PL.15197	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.15	LL01-LL02	119.20	116.79	116.51
PL.15198	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.16	LL01-LL02	119.40	117.07	116.80
PL.15199	HARDWICH'S CREEK	OCD42	C	4ACSR	0.10	7.16	LL01-LL02	119.40	117.07	116.80
PL.15200	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.16	LL01-LL02	119.40	117.07	116.80
PL.15201	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.16	LL01-LL02	119.40	117.07	116.80
PL.15202	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.17	LL01-LL02	119.50	117.21	116.94
PL.15203	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.17	LL01-LL02	119.50	117.20	116.94
PL.15204	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.18	LL01-LL02	119.65	117.41	117.15
PL.15205	HARDWICH'S CREEK	OCD42	C	4ACSR	0.09	7.18	LL01-LL02	119.63	117.39	117.13
PL.15206	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.19	LL01-LL02	119.79	117.60	117.35
PL.15207	HARDWICH'S CREEK	OCD42	C	4ACSR	0.08	7.19	LL01-LL02	119.79	117.59	117.34
PL.15208	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.19	LL01-LL02	119.91	117.76	117.51
PL.15209	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.19	LL01-LL02	119.90	117.75	117.50
PL.19409	HARDWICH'S CREEK	OCD42	C	4ACSR	0.13	7.13	LL01-LL02	118.87	116.34	116.05
PL.19410	HARDWICH'S CREEK	OCD42	C	4ACSR	0.12	7.13	LL01-LL02	118.83	116.29	116.00
PL.24470	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.19	LL01-LL02	119.78	117.59	117.34
PL.24471	HARDWICH'S CREEK	OCD42	C	4ACSR	0.08	7.19	LL01-LL02	119.78	117.59	117.34
PL.24472	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.16	LL01-LL02	119.40	117.07	116.80

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.25246	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.15 LL01-LL02	119.22	116.82	116.54	
PL.25266	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.13 LL01-LL02	118.81	116.25	115.96	
PL.25267	HARDWICH'S CREEK	OCD42	C	4ACSR	0.11	7.13 LL01-LL02	118.81	116.25	115.96	
PL.25294	HARDWICH'S CREEK	OCD42	C	4ACSR	0.08	7.12 LL01-LL02	118.71	116.11	115.82	
PL.25295	HARDWICH'S CREEK	OCD42	C	4ACSR	0.13	7.12 LL01-LL02	118.70	116.11	115.81	
PL.25296	HARDWICH'S CREEK	OCD42	C	4ACSR	0.08	7.12 LL01-LL02	118.71	116.12	115.82	
PL.25297	HARDWICH'S CREEK	OCD42	C	4ACSR	0.13	7.12 LL01-LL02	118.71	116.12	115.82	
PL.25298	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.12 LL01-LL02	118.73	116.15	115.85	
PL.30935	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.13 LL01-LL02	118.81	116.26	115.96	
PL.30936	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.13 LL01-LL02	118.80	116.25	115.95	
PL.33670	HARDWICH'S CREEK	OCD42	C	2ACSR	0.04	7.13 LL01-LL02	118.81	116.25	115.96	
PL.38994	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.13 LL01-LL02	118.80	116.25	115.95	
PL.38995	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.13 LL01-LL02	118.80	116.24	115.95	
PL.38996	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.13 LL01-LL02	118.77	116.20	115.90	
PL.38997	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.13 LL01-LL02	118.77	116.20	115.91	
PL.38998	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.13 LL01-LL02	118.77	116.20	115.91	
PL.38999	HARDWICH'S CREEK	OCD42	C	4ACSR	0.08	7.13 LL01-LL02	118.77	116.20	115.91	
PL.39001	HARDWICH'S CREEK	OCD42	C	4ACSR	0.15	7.13 LL01-LL02	118.76	116.18	115.89	
PL.39002	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.12 LL01-LL02	118.75	116.17	115.88	
PL.39003	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.13 LL01-LL02	118.75	116.18	115.89	
PL.39004	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.13 LL01-LL02	118.76	116.18	115.89	
PL.39005	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.13 LL01-LL02	118.76	116.18	115.89	
PL.39006	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.12 LL01-LL02	118.74	116.16	115.86	
PL.39008	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.12 LL01-LL02	118.74	116.16	115.86	
PL.39009	HARDWICH'S CREEK	OCD42	C	4ACSR	0.09	7.12 LL01-LL02	118.74	116.16	115.86	
PL.39010	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.12 LL01-LL02	118.72	116.14	115.84	
PL.39011	HARDWICH'S CREEK	OCD42	C	4ACSR	0.08	7.12 LL01-LL02	118.72	116.14	115.84	
PL.40495	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.17 LL01-LL02	119.50	117.20	116.94	
PL.4349	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.19 LL01-LL02	119.89	117.74	117.49	
PL.4533	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.19 LL01-LL02	119.78	117.59	117.34	
PL.4536	HARDWICH'S CREEK	OCD42	C	4ACSR	0.02	7.19 LL01-LL02	119.89	117.74	117.49	
PL.4537	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.19 LL01-LL02	119.89	117.74	117.49	
PL.4538	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.19 LL01-LL02	119.89	117.74	117.49	
PL.4539	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.19 LL01-LL02	119.90	117.75	117.50	
PL.4540	HARDWICH'S CREEK	OCD42	C	4ACSR	0.11	7.19 LL01-LL02	119.90	117.75	117.50	
PL.4541	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.19 LL01-LL02	119.90	117.75	117.50	
PL.4542	HARDWICH'S CREEK	OCD42	C	4ACSR	0.09	7.18 LL01-LL02	119.63	117.38	117.12	
PL.4543	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.18 LL01-LL02	119.63	117.38	117.12	
PL.4544	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.18 LL01-LL02	119.63	117.38	117.12	

Summer_Low_Voltage

Section					Length	Primary		EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name	Feeder Name	Phasing	Equipment	(Miles)	kV (Bal)	Timing	JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.4688	HARDWICH'S CREEK	OCD42	C	4ACSR	0.12	7.13	LL01-LL02	118.81	116.25	115.96
PL.4696	HARDWICH'S CREEK	OCD42	C	4ACSR	0.16	7.19	LL01-LL02	119.77	117.57	117.32
PL.4697	HARDWICH'S CREEK	OCD42	C	4ACSR	0.17	7.19	LL01-LL02	119.78	117.58	117.33
PL.4698	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.19	LL01-LL02	119.78	117.58	117.33
PL.4699	HARDWICH'S CREEK	OCD42	C	4ACSR	0.10	7.19	LL01-LL02	119.77	117.58	117.33
PL.4700	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.19	LL01-LL02	119.78	117.59	117.34
PL.4701	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.19	LL01-LL02	119.78	117.59	117.34
PL.4704	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.13	LL01-LL02	118.82	116.27	115.98
PL.4707	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.13	LL01-LL02	118.76	116.18	115.89
PL.4708	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.14	LL01-LL02	118.92	116.41	116.12
PL.4709	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.13	LL01-LL02	118.87	116.34	116.05
PL.4710	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.13	LL01-LL02	118.81	116.26	115.96
PL.4713	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.13	LL01-LL02	118.81	116.26	115.96
PL.4714	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.13	LL01-LL02	118.87	116.34	116.04
PL.4715	HARDWICH'S CREEK	OCD42	C	4ACSR	0.19	7.13	LL01-LL02	118.75	116.18	115.88
PL.8229	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.15	LL01-LL02	119.14	116.71	116.43
PL.8230	HARDWICH'S CREEK	OCD42	C	4ACSR	0.09	7.15	LL01-LL02	119.14	116.71	116.43
PL.8232	HARDWICH'S CREEK	OCD42	C	4ACSR	0.06	7.13	LL01-LL02	118.76	116.19	115.89
PL.8233	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.13	LL01-LL02	118.76	116.19	115.89
PL.8237	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.13	LL01-LL02	118.81	116.26	115.96
PL.8240	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.13	LL01-LL02	118.83	116.28	115.99
PL.8241	HARDWICH'S CREEK	OCD42	C	4ACSR	0.06	7.13	LL01-LL02	118.82	116.27	115.97
PL.8242	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.13	LL01-LL02	118.87	116.34	116.05
PL.8243	HARDWICH'S CREEK	OCD42	C	4ACSR	0.16	7.13	LL01-LL02	118.83	116.29	116.00
PL.8244	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.13	LL01-LL02	118.88	116.35	116.06
PL.8245	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.13	LL01-LL02	118.87	116.34	116.05
PL.8246	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.13	LL01-LL02	118.77	116.20	115.91
PL.8248	HARDWICH'S CREEK	OCD42	C	4ACSR	0.20	7.13	LL01-LL02	118.77	116.20	115.91
PL.8249	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.13	LL01-LL02	118.77	116.20	115.91
PL.12864	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.21	LL03-LL04	120.22	118.19	117.96
PL.15210	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.21	LL03-LL04	120.22	118.19	117.96
PL.15211	HARDWICH'S CREEK	OCD42	C	4ACSR	0.06	7.21	LL03-LL04	120.22	118.18	117.95
PL.8223	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.21	LL03-LL04	120.21	118.18	117.95
PL.8224	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.21	LL03-LL04	120.21	118.18	117.94
PL.13284	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.10	7.19	LL01-LL02	119.80	117.53	117.24
PL.13285	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.04	7.19	LL01-LL02	119.80	117.52	117.23
PL.13286	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.04	7.19	LL01-LL02	119.79	117.51	117.22
PL.13287	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.00	7.19	LL01-LL02	119.79	117.51	117.22
PL.13288	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.08	7.19	LL01-LL02	119.78	117.50	117.21

Summer_Low_Voltage

Section					Length	Primary		EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name	Feeder Name	Phasing	Equipment	(Miles)	kV (Bal)	Timing	JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.13289	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.15	7.18	LL01-LL02	119.60	117.26	116.96
PL.13290	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.02	7.17	LL01-LL02	119.45	117.05	116.74
PL.13291	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.12	7.16	LL01-LL02	119.41	117.00	116.69
PL.13292	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.04	7.16	LL01-LL02	119.34	116.90	116.59
PL.13293	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.16	7.16	LL01-LL02	119.30	116.84	116.53
PL.13756	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.13	7.20	LL01-LL02	120.04	117.87	117.59
PL.13757	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.03	7.20	LL01-LL02	120.02	117.84	117.56
PL.13758	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.03	7.20	LL01-LL02	120.00	117.81	117.53
PL.13760	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.16	7.15	LL01-LL02	119.23	116.74	116.42
PL.17857	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.01	7.20	LL01-LL02	119.92	117.70	117.41
PL.17858	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.06	7.19	LL01-LL02	119.88	117.63	117.35
PL.17859	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.02	7.19	LL01-LL02	119.87	117.62	117.33
PL.17860	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.06	7.19	LL01-LL02	119.82	117.56	117.27
PL.18263	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.01	7.17	LL01-LL02	119.50	117.12	116.81
PL.18264	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.04	7.17	LL01-LL02	119.49	117.10	116.79
PL.19203	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.04	7.16	LL01-LL02	119.38	116.95	116.64
PL.19581	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.07	7.15	LL01-LL02	119.10	116.56	116.24
PL.19582	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.04	7.15	LL01-LL02	119.10	116.56	116.24
PL.1962	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.10	7.19	LL01-LL02	119.82	117.56	117.27
PL.1963	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.09	7.17	LL01-LL02	119.45	117.05	116.74
PL.1966	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.13	7.18	LL01-LL02	119.66	117.34	117.04
PL.1967	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.08	7.19	LL01-LL02	119.79	117.51	117.22
PL.1968	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.12	7.19	LL01-LL02	119.76	117.47	117.18
PL.1969	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.08	7.19	LL01-LL02	119.76	117.47	117.18
PL.1973	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.12	7.20	LL01-LL02	120.00	117.80	117.52
PL.1980	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.12	7.19	LL01-LL02	119.82	117.56	117.27
PL.1981	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.08	7.19	LL01-LL02	119.82	117.56	117.27
PL.21171	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.07	7.20	LL01-LL02	119.95	117.74	117.45
PL.21172	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.02	7.20	LL01-LL02	119.93	117.71	117.43
PL.21382	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.03	7.18	LL01-LL02	119.59	117.24	116.94
PL.21383	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.03	7.17	LL01-LL02	119.58	117.22	116.92
PL.21900	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.12	7.16	LL01-LL02	119.30	116.84	116.53
PL.21901	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.02	7.16	LL01-LL02	119.30	116.84	116.53
PL.21902	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.11	7.15	LL01-LL02	119.10	116.56	116.23
PL.22734	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.08	7.18	LL01-LL02	119.69	117.38	117.08
PL.22735	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.05	7.18	LL01-LL02	119.66	117.34	117.04
PL.22966	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.05	7.16	LL01-LL02	119.30	116.84	116.53
PL.26481	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.12	7.15	LL01-LL02	119.11	116.58	116.26
PL.27628	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.02	7.19	LL01-LL02	119.82	117.56	117.27

Summer_Low_Voltage

Section					Length	Primary		EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name	Feeder Name	Phasing	Equipment	(Miles)	kV (Bal)	Timing	JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.27629	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.26	7.19	LL01-LL02	119.82	117.56	117.27
PL.27973	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.05	7.16	LL01-LL02	119.36	116.93	116.62
PL.27974	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.04	7.16	LL01-LL02	119.35	116.91	116.60
PL.28122	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.03	7.16	LL01-LL02	119.30	116.84	116.53
PL.28273	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.08	7.15	LL01-LL02	119.10	116.56	116.24
PL.28274	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.08	7.15	LL01-LL02	119.10	116.56	116.23
PL.28275	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.31	7.16	LL01-LL02	119.30	116.84	116.52
PL.28276	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.00	7.16	LL01-LL02	119.30	116.84	116.52
PL.29168	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.03	7.19	LL01-LL02	119.80	117.53	117.24
PL.40689	JEFFERSONVILLE	JVILLE2	A	2ACSR	0.01	7.15	LL01-LL02	119.12	116.59	116.26
PL.40690	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.02	7.15	LL01-LL02	119.12	116.59	116.26
PL.40691	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.03	7.15	LL01-LL02	119.11	116.58	116.26
PL.40956	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.01	7.19	LL01-LL02	119.82	117.56	117.27
PL.40957	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.18	7.18	LL01-LL02	119.72	117.43	117.13
PL.40958	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.01	7.18	LL01-LL02	119.66	117.34	117.04
PL.40959	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.08	7.18	LL01-LL02	119.66	117.34	117.04
PL.41150	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.00	7.18	LL01-LL02	119.60	117.26	116.96
PL.41151	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.14	7.18	LL01-LL02	119.60	117.25	116.95
PL.41152	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.01	7.17	LL01-LL02	119.45	117.05	116.74
PL.41153	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.01	7.17	LL01-LL02	119.45	117.05	116.74
PL.41157	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.03	7.16	LL01-LL02	119.40	116.98	116.67
PL.41158	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.04	7.16	LL01-LL02	119.39	116.96	116.65
PL.41159	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.01	7.16	LL01-LL02	119.40	116.98	116.67
PL.41160	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.05	7.16	LL01-LL02	119.40	116.98	116.67
PL.41161	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.01	7.16	LL01-LL02	119.30	116.84	116.52
PL.41162	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.15	7.16	LL01-LL02	119.26	116.79	116.47
PL.41163	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.01	7.15	LL01-LL02	119.23	116.74	116.42
PL.41164	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.07	7.15	LL01-LL02	119.23	116.74	116.42
PL.41166	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.18	7.15	LL01-LL02	119.19	116.69	116.37
PL.41169	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.32	7.15	LL01-LL02	119.12	116.59	116.27
PL.41170	JEFFERSONVILLE	JVILLE2	A	2ACSR	0.03	7.15	LL01-LL02	119.19	116.69	116.37
PL.41171	JEFFERSONVILLE	JVILLE2	A	2ACSR	0.06	7.15	LL01-LL02	119.18	116.68	116.36
PL.41172	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.01	7.15	LL01-LL02	119.11	116.58	116.26
PL.41173	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.08	7.15	LL01-LL02	119.10	116.57	116.25
PL.43750	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.12	7.18	LL01-LL02	119.59	117.25	116.95
PL.6025	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.07	7.18	LL01-LL02	119.66	117.34	117.04
PL.6026	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.22	7.17	LL01-LL02	119.50	117.12	116.81
PL.6028	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.10	7.19	LL01-LL02	119.76	117.48	117.19
PL.6029	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.07	7.19	LL01-LL02	119.77	117.48	117.19

Summer_Low_Voltage

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
								JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.6031	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.15	7.19	LL01-LL02	119.76	117.47	117.18
PL.6032	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.39	7.19	LL01-LL02	119.76	117.47	117.18
PL.6052	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.09	7.17	LL01-LL02	119.46	117.06	116.75
PL.6226	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.18	7.15	LL01-LL02	119.11	116.58	116.26
PL.13750	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.24	7.22	LL03-LL04	120.30	118.22	117.96
PL.13751	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.05	7.22	LL03-LL04	120.26	118.16	117.89
PL.13753	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.04	7.21	LL03-LL04	120.14	118.00	117.73
PL.13754	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.05	7.21	LL03-LL04	120.24	118.13	117.86
PL.13755	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.23	7.21	LL03-LL04	120.23	118.12	117.85
PL.1971	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.13	7.21	LL03-LL04	120.24	118.13	117.87
PL.27610	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.02	7.22	LL03-LL04	120.25	118.15	117.89
PL.27611	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.05	7.21	LL03-LL04	120.25	118.15	117.88
PL.40954	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.04	7.21	LL03-LL04	120.22	118.11	117.84
PL.40955	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.05	7.21	LL03-LL04	120.18	118.05	117.78
PL.6027	JEFFERSONVILLE	JVILLE2	A	4ACSR	0.08	7.21	LL03-LL04	120.25	118.14	117.87
PL.16061	MT. STERLING	MTSTR LG3	C	4ACSR	0.14	7.04	LL00	117.32	114.71	114.38
PL.16062	MT. STERLING	MTSTR LG3	C	4ACSR	0.16	7.04	LL00	117.26	114.63	114.30
PL.16063	MT. STERLING	MTSTR LG3	C	4ACSR	0.00	7.05	LL00	117.44	114.87	114.55
PL.16064	MT. STERLING	MTSTR LG3	C	4ACSR	0.50	7.05	LL00	117.44	114.87	114.55
PL.25154	MT. STERLING	MTSTR LG3	C	4ACSR	0.07	7.03	LL00	117.11	114.43	114.09
PL.25155	MT. STERLING	MTSTR LG3	C	4ACSR	0.13	7.03	LL00	117.11	114.43	114.09
PL.25182	MT. STERLING	MTSTR LG3	C	4ACSR	0.03	7.03	LL00	117.09	114.41	114.07
PL.25183	MT. STERLING	MTSTR LG3	C	4ACSR	0.00	7.03	LL00	117.09	114.41	114.07
PL.25185	MT. STERLING	MTSTR LG3	C	4ACSR	0.14	7.02	LL00	117.08	114.40	114.06
PL.25188	MT. STERLING	MTSTR LG3	C	4ACSR	0.11	7.02	LL00	117.06	114.37	114.03
PL.26102	MT. STERLING	MTSTR LG3	C	4ACSR	0.09	7.07	LL00	117.90	115.51	115.20
PL.26103	MT. STERLING	MTSTR LG3	C	4ACSR	0.07	7.07	LL00	117.85	115.43	115.12
PL.26104	MT. STERLING	MTSTR LG3	C	4ACSR	0.05	7.07	LL00	117.81	115.38	115.07
PL.26105	MT. STERLING	MTSTR LG3	C	4ACSR	0.02	7.05	LL00	117.44	114.87	114.55
PL.26106	MT. STERLING	MTSTR LG3	C	4ACSR	0.09	7.04	LL00	117.39	114.81	114.49
PL.26107	MT. STERLING	MTSTR LG3	C	4ACSR	0.05	7.04	LL00	117.37	114.78	114.46
PL.26108	MT. STERLING	MTSTR LG3	C	4ACSR	0.24	7.03	LL00	117.17	114.52	114.18
PL.26109	MT. STERLING	MTSTR LG3	C	4ACSR	0.14	7.03	LL00	117.13	114.46	114.12
PL.26110	MT. STERLING	MTSTR LG3	C	4ACSR	0.09	7.03	LL00	117.11	114.43	114.09
PL.26111	MT. STERLING	MTSTR LG3	C	4ACSR	0.04	7.03	LL00	117.09	114.41	114.07
PL.26112	MT. STERLING	MTSTR LG3	C	4ACSR	0.05	7.03	LL00	117.09	114.41	114.07
PL.26113	MT. STERLING	MTSTR LG3	C	4ACSR	0.14	7.02	LL00	117.04	114.34	114.00
PL.26114	MT. STERLING	MTSTR LG3	C	4ACSR	0.09	7.02	LL00	117.04	114.34	114.00
PL.26115	MT. STERLING	MTSTR LG3	C	4ACSR	0.12	7.02	LL00	117.04	114.34	114.00

Summer_Low_Voltage

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
								JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.3792	MT. STERLING	MTSTRLG3	C	4ACSR	0.17	7.05	LL00	117.44	114.87	114.55
PL.3793	MT. STERLING	MTSTRLG3	C	4ACSR	0.31	7.05	LL00	117.44	114.87	114.55
PL.3794	MT. STERLING	MTSTRLG3	C	4ACSR	0.19	7.05	LL00	117.44	114.87	114.55
PL.3795	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.03	LL00	117.10	114.43	114.09
PL.3796	MT. STERLING	MTSTRLG3	C	4ACSR	0.12	7.03	LL00	117.13	114.46	114.12
PL.3797	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.03	LL00	117.17	114.51	114.18
PL.3798	MT. STERLING	MTSTRLG3	C	4ACSR	0.12	7.03	LL00	117.11	114.43	114.09
PL.3799	MT. STERLING	MTSTRLG3	C	4ACSR	0.17	7.02	LL00	117.08	114.39	114.05
PL.4075	MT. STERLING	MTSTRLG3	C	4ACSR	0.12	7.03	LL00	117.09	114.41	114.07
PL.4076	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.02	LL00	117.03	114.33	113.99
PL.4077	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.02	LL00	117.03	114.33	113.98
PL.4081	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.02	LL00	117.04	114.33	113.99
PL.4084	MT. STERLING	MTSTRLG3	C	4ACSR	0.30	7.02	LL00	117.08	114.40	114.06
PL.4112	MT. STERLING	MTSTRLG3	C	4ACSR	0.14	7.04	LL00	117.36	114.78	114.45
PL.4113	MT. STERLING	MTSTRLG3	C	4ACSR	0.11	7.04	LL00	117.36	114.77	114.44
PL.4114	MT. STERLING	MTSTRLG3	C	4ACSR	0.11	7.04	LL00	117.36	114.77	114.44
PL.4115	MT. STERLING	MTSTRLG3	C	4ACSR	0.31	7.05	LL00	117.44	114.87	114.55
PL.43796	MT. STERLING	MTSTRLG3	C	2ACSR	0.08	7.05	LL00	117.52	114.98	114.66
PL.4381	MT. STERLING	MTSTRLG3	C	4ACSR	0.18	7.06	LL00	117.71	115.25	114.93
PL.4382	MT. STERLING	MTSTRLG3	C	4ACSR	0.11	7.07	LL00	117.84	115.42	115.12
PL.4383	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.04	LL00	117.36	114.77	114.44
PL.4384	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.06	LL00	117.71	115.25	114.93
PL.4385	MT. STERLING	MTSTRLG3	C	4ACSR	0.14	7.04	LL00	117.36	114.77	114.44
PL.4386	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.04	LL00	117.36	114.77	114.44
PL.4387	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.04	LL00	117.36	114.77	114.44
PL.4407	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.07	LL00	117.90	115.51	115.20
PL.7961	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.08	LL00	117.98	115.61	115.31
PL.7966	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.06	LL00	117.71	115.25	114.93
PL.7967	MT. STERLING	MTSTRLG3	C	4ACSR	0.29	7.05	LL00	117.52	114.98	114.66
PL.7968	MT. STERLING	MTSTRLG3	C	4ACSR	0.11	7.05	LL00	117.45	114.89	114.56
PL.1055	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.12	LL01-LL02	118.59	116.39	116.11
PL.1056	MT. STERLING	MTSTRLG3	C	4ACSR	0.18	7.12	LL01-LL02	118.59	116.39	116.11
PL.1057	MT. STERLING	MTSTRLG3	C	4ACSR	0.34	7.12	LL01-LL02	118.60	116.41	116.13
PL.10631	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.15	LL01-LL02	119.10	116.62	116.31
PL.10632	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.15	LL01-LL02	119.12	116.66	116.35
PL.10633	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.15	LL01-LL02	119.11	116.64	116.33
PL.10634	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.14	LL01-LL02	118.92	116.39	116.07
PL.1064	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.12	LL01-LL02	118.67	116.49	116.22
PL.10694	MT. STERLING	MTSTRLG3	C	4ACSR	0.18	7.13	LL01-LL02	118.85	116.63	116.34

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.11156	MT. STERLING	MTSTRLG3	B	4ACSR	0.39	7.13	LL01-LL02	118.81	116.23	115.90
PL.11157	MT. STERLING	MTSTRLG3	B	4ACSR	0.21	7.13	LL01-LL02	118.80	116.22	115.89
PL.11158	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.12	LL01-LL02	118.72	116.11	115.78
PL.11159	MT. STERLING	MTSTRLG3	B	4ACSR	0.14	7.12	LL01-LL02	118.72	116.11	115.78
PL.11161	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.13	LL01-LL02	118.84	116.61	116.32
PL.11162	MT. STERLING	MTSTRLG3	C	4ACSR	0.08	7.13	LL01-LL02	118.84	116.60	116.32
PL.11163	MT. STERLING	MTSTRLG3	C	4ACSR	0.08	7.13	LL01-LL02	118.85	116.62	116.33
PL.11164	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.13	LL01-LL02	118.84	116.61	116.33
PL.11429	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.13	LL01-LL02	118.77	116.62	116.35
PL.11430	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.13	LL01-LL02	118.77	116.62	116.34
PL.11431	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.06	7.21	LL01-LL02	120.10	118.26	118.02
PL.11433	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.11	7.21	LL01-LL02	120.22	118.41	118.18
PL.11434	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.19	7.22	LL01-LL02	120.36	118.59	118.37
PL.11435	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.16	7.22	LL01-LL02	120.27	118.48	118.25
PL.11436	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.13	LL01-LL02	118.81	116.67	116.40
PL.11437	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.13	LL01-LL02	118.81	116.66	116.39
PL.11438	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.13	LL01-LL02	118.81	116.66	116.39
PL.11439	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.13	LL01-LL02	118.81	116.66	116.39
PL.11440	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.13	LL01-LL02	118.81	116.66	116.39
PL.11441	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.05	7.23	LL01-LL02	120.46	118.72	118.50
PL.11442	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.05	7.23	LL01-LL02	120.49	118.76	118.54
PL.11443	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.01	7.23	LL01-LL02	120.51	118.79	118.57
PL.11444	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.11	7.24	LL01-LL02	120.59	118.90	118.68
PL.11445	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.14	7.23	LL01-LL02	120.52	118.80	118.58
PL.11446	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.06	7.24	LL01-LL02	120.66	118.98	118.76
PL.11447	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.43	7.24	LL01-LL02	120.74	119.09	118.88
PL.11452	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.01	7.26	LL01-LL02	121.07	119.51	119.32
PL.11456	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.07	7.27	LL01-LL02	121.13	119.60	119.40
PL.11457	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.02	7.27	LL01-LL02	121.12	119.58	119.39
PL.11459	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.06	7.27	LL01-LL02	121.24	119.74	119.55
PL.11460	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.02	7.27	LL01-LL02	121.23	119.72	119.53
PL.11462	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.07	7.28	LL01-LL02	121.28	119.79	119.60
PL.11465	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.18	LL01-LL02	119.73	117.80	117.55
PL.11466	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.19	LL01-LL02	119.88	118.00	117.76
PL.11467	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.19	LL01-LL02	119.84	117.96	117.72
PL.11468	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.19	LL01-LL02	119.82	117.92	117.68
PL.11469	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.17	LL01-LL02	119.57	117.59	117.34
PL.11470	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.17	LL01-LL02	119.52	117.52	117.27
PL.11471	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.16	LL01-LL02	119.31	117.24	116.98

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.11472	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.16	LL01-LL02	119.29	117.22	116.95
PL.11473	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.15	LL01-LL02	119.23	117.13	116.86
PL.11474	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.15	LL01-LL02	119.20	117.09	116.82
PL.11475	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.15	LL01-LL02	119.17	117.05	116.78
PL.11476	MT. STERLING	MTSTRLG3	C	4ACSR	0.20	7.14	LL01-LL02	119.04	116.88	116.61
PL.11477	MT. STERLING	MTSTRLG3	C	4ACSR	0.26	7.14	LL01-LL02	118.96	116.77	116.49
PL.11575	MT. STERLING	MTSTRLG3	C	4ACSR	0.47	7.12	LL01-LL02	118.62	116.43	116.15
PL.11576	MT. STERLING	MTSTRLG3	C	4ACSR	0.08	7.12	LL01-LL02	118.61	116.42	116.14
PL.11578	MT. STERLING	MTSTRLG3	ABC	4/0ACSR	0.15	7.21	LL01-LL02	120.12	118.28	118.05
PL.11579	MT. STERLING	MTSTRLG3	ABC	4/0ACSR	0.03	7.21	LL01-LL02	120.12	118.29	118.05
PL.11580	MT. STERLING	MTSTRLG3	ABC	4/0ACSR	0.15	7.21	LL01-LL02	120.12	118.29	118.05
PL.11581	MT. STERLING	MTSTRLG3	ABC	4/0ACSR	0.04	7.21	LL01-LL02	120.13	118.29	118.06
PL.11582	MT. STERLING	MTSTRLG3	ABC	4/0ACSR	0.10	7.21	LL01-LL02	120.13	118.29	118.06
PL.11693	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.09	7.19	LL01-LL02	119.79	117.86	117.61
PL.11695	MT. STERLING	MTSTRLG3	B	4ACSR	0.18	7.19	LL01-LL02	119.91	117.72	117.44
PL.11696	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.18	LL01-LL02	119.69	117.43	117.14
PL.11697	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.18	LL01-LL02	119.60	117.31	117.02
PL.11698	MT. STERLING	MTSTRLG3	B	4ACSR	0.15	7.16	LL01-LL02	119.40	117.03	116.73
PL.11699	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.18	LL01-LL02	119.60	117.30	117.01
PL.1287	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.13	LL01-LL02	118.77	116.62	116.35
PL.1301	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.12	LL01-LL02	118.60	116.41	116.13
PL.1302	MT. STERLING	MTSTRLG3	C	4ACSR	0.08	7.12	LL01-LL02	118.60	116.41	116.13
PL.1323	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.17	LL01-LL02	119.56	117.58	117.32
PL.1325	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.12	LL01-LL02	118.60	116.41	116.13
PL.14232	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.13	LL01-LL02	118.84	116.60	116.32
PL.1466	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.13	LL01-LL02	118.91	116.80	116.53
PL.1470	MT. STERLING	MTSTRLG3	B	4ACSR	0.07	7.15	LL01-LL02	119.16	116.72	116.40
PL.1516	MT. STERLING	MTSTRLG3	B	4ACSR	0.01	7.12	LL01-LL02	118.71	116.10	115.77
PL.1519	MT. STERLING	MTSTRLG3	B	4ACSR	0.05	7.15	LL01-LL02	119.20	116.76	116.45
PL.1524	MT. STERLING	MTSTRLG3	C	4ACSR	0.14	7.12	LL01-LL02	118.59	116.39	116.11
PL.1540	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.13	LL01-LL02	118.79	116.21	115.88
PL.1541	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.13	LL01-LL02	118.79	116.21	115.88
PL.1542	MT. STERLING	MTSTRLG3	B	4ACSR	0.15	7.13	LL01-LL02	118.79	116.21	115.88
PL.1543	MT. STERLING	MTSTRLG3	B	4ACSR	0.12	7.13	LL01-LL02	118.79	116.21	115.88
PL.1544	MT. STERLING	MTSTRLG3	B	4ACSR	0.09	7.12	LL01-LL02	118.73	116.13	115.80
PL.1545	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.12	LL01-LL02	118.75	116.15	115.83
PL.16065	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.10	LL01-LL02	118.41	116.19	115.91
PL.16066	MT. STERLING	MTSTRLG3	C	4ACSR	0.12	7.10	LL01-LL02	118.31	116.05	115.77
PL.16405	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.13	LL01-LL02	118.85	116.63	116.34

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.16406	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.13	LL01-LL02	118.85	116.63	116.34
PL.16407	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.14	LL01-LL02	118.93	116.73	116.45
PL.16408	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.14	LL01-LL02	118.93	116.73	116.45
PL.16409	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.14	LL01-LL02	118.94	116.74	116.46
PL.16410	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.14	LL01-LL02	118.93	116.73	116.45
PL.16411	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.15	LL01-LL02	119.19	117.08	116.81
PL.16412	MT. STERLING	MTSTRLG3	C	4ACSR	0.16	7.15	LL01-LL02	119.16	117.03	116.77
PL.16413	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.17	LL01-LL02	119.57	117.59	117.34
PL.16414	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.17	LL01-LL02	119.57	117.58	117.33
PL.16467	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.11	LL01-LL02	118.46	116.26	115.98
PL.16468	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.11	LL01-LL02	118.46	116.26	115.98
PL.16477	MT. STERLING	MTSTRLG3	B	4ACSR	0.01	7.16	LL01-LL02	119.34	116.95	116.64
PL.16478	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.15	LL01-LL02	119.10	116.62	116.31
PL.16479	MT. STERLING	MTSTRLG3	B	4ACSR	0.01	7.15	LL01-LL02	119.10	116.62	116.31
PL.16480	MT. STERLING	MTSTRLG3	B	4ACSR	0.02	7.15	LL01-LL02	119.09	116.61	116.30
PL.16481	MT. STERLING	MTSTRLG3	B	4ACSR	0.10	7.14	LL01-LL02	119.04	116.55	116.23
PL.16682	MT. STERLING	MTSTRLG3	B	4ACSR	0.00	7.12	LL01-LL02	118.72	116.11	115.78
PL.16683	MT. STERLING	MTSTRLG3	B	4ACSR	0.12	7.12	LL01-LL02	118.71	116.10	115.77
PL.16708	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.12	LL01-LL02	118.68	116.51	116.24
PL.16709	MT. STERLING	MTSTRLG3	C	4ACSR	0.14	7.12	LL01-LL02	118.67	116.49	116.22
PL.16745	MT. STERLING	MTSTRLG3	C	4ACSR	0.26	7.13	LL01-LL02	118.81	116.68	116.41
PL.16746	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.14	LL01-LL02	118.92	116.81	116.54
PL.16747	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.13	LL01-LL02	118.92	116.81	116.54
PL.16920	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.11	7.20	LL01-LL02	120.01	118.14	117.90
PL.16921	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.13	LL01-LL02	118.78	116.64	116.37
PL.16922	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.13	LL01-LL02	118.77	116.62	116.35
PL.16923	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.13	LL01-LL02	118.84	116.71	116.43
PL.17902	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.01	7.27	LL01-LL02	121.22	119.72	119.53
PL.17903	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.07	7.27	LL01-LL02	121.18	119.66	119.46
PL.17984	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.07	7.20	LL01-LL02	120.07	118.21	117.98
PL.17985	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.01	7.20	LL01-LL02	120.06	118.21	117.97
PL.18379	MT. STERLING	MTSTRLG3	C	4ACSR	0.17	7.12	LL01-LL02	118.61	116.41	116.13
PL.18380	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.12	LL01-LL02	118.60	116.41	116.13
PL.19357	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.16	LL01-LL02	119.25	116.84	116.53
PL.19358	MT. STERLING	MTSTRLG3	B	4ACSR	0.07	7.15	LL01-LL02	119.21	116.78	116.47
PL.19457	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.16	LL01-LL02	119.32	116.92	116.62
PL.19458	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.16	LL01-LL02	119.28	116.87	116.57
PL.25056	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.09	7.19	LL01-LL02	119.89	117.98	117.74
PL.25057	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.09	7.19	LL01-LL02	119.85	117.93	117.69

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.25058	MT. STERLING	MTSTRLG3	B	4ACSR	0.09	7.19 LL01-LL02	119.78	117.55	117.27	
PL.25059	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.12 LL01-LL02	118.71	116.10	115.76	
PL.25157	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.17 LL01-LL02	119.56	117.58	117.33	
PL.25158	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.17 LL01-LL02	119.46	117.44	117.18	
PL.25159	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.16 LL01-LL02	119.41	117.37	117.11	
PL.25160	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.17 LL01-LL02	119.51	117.51	117.26	
PL.25161	MT. STERLING	MTSTRLG3	C	4ACSR	0.16	7.14 LL01-LL02	119.04	116.96	116.69	
PL.25162	MT. STERLING	MTSTRLG3	C	4ACSR	0.23	7.14 LL01-LL02	119.03	116.94	116.68	
PL.25179	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.14 LL01-LL02	118.93	116.73	116.45	
PL.25180	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.14 LL01-LL02	118.93	116.73	116.45	
PL.25970	MT. STERLING	MTSTRLG3	B	4ACSR	0.07	7.12 LL01-LL02	118.70	116.09	115.76	
PL.25971	MT. STERLING	MTSTRLG3	B	4ACSR	0.19	7.13 LL01-LL02	118.79	116.21	115.88	
PL.25972	MT. STERLING	MTSTRLG3	B	4ACSR	0.29	7.13 LL01-LL02	118.78	116.20	115.87	
PL.2598	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.15 LL01-LL02	119.14	117.02	116.75	
PL.26089	MT. STERLING	MTSTRLG3	B	4ACSR	0.05	7.15 LL01-LL02	119.23	116.80	116.49	
PL.26090	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.15 LL01-LL02	119.22	116.79	116.48	
PL.26091	MT. STERLING	MTSTRLG3	B	4ACSR	0.11	7.15 LL01-LL02	119.20	116.76	116.45	
PL.26092	MT. STERLING	MTSTRLG3	B	4ACSR	0.21	7.15 LL01-LL02	119.17	116.72	116.41	
PL.26093	MT. STERLING	MTSTRLG3	B	4ACSR	0.00	7.15 LL01-LL02	119.17	116.72	116.41	
PL.26095	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.15 LL01-LL02	119.16	116.71	116.40	
PL.26096	MT. STERLING	MTSTRLG3	B	4ACSR	0.10	7.16 LL01-LL02	119.31	116.92	116.61	
PL.26100	MT. STERLING	MTSTRLG3	C	4ACSR	0.27	7.08 LL01-LL02	118.08	115.74	115.45	
PL.26101	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.08 LL01-LL02	118.02	115.66	115.36	
PL.27251	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.09	7.24 LL01-LL02	120.69	119.02	118.81	
PL.27252	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.00	7.24 LL01-LL02	120.69	119.02	118.81	
PL.27255	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.14 LL01-LL02	119.07	117.00	116.73	
PL.27256	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.14 LL01-LL02	119.06	116.99	116.72	
PL.27257	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.14 LL01-LL02	119.04	116.96	116.70	
PL.27258	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.14 LL01-LL02	119.04	116.96	116.70	
PL.27783	MT. STERLING	MTSTRLG3	ABC	4/0ACSR	0.38	7.21 LL01-LL02	120.12	118.28	118.05	
PL.29337	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.14 LL01-LL02	119.02	116.85	116.58	
PL.29338	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.14 LL01-LL02	119.03	116.86	116.59	
PL.29367	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.15 LL01-LL02	119.14	117.01	116.74	
PL.30771	MT. STERLING	MTSTRLG3	B	4ACSR	0.23	7.15 LL01-LL02	119.15	116.69	116.38	
PL.30772	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.15 LL01-LL02	119.16	116.71	116.40	
PL.30773	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.15 LL01-LL02	119.16	116.71	116.40	
PL.30811	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.07	7.19 LL01-LL02	119.77	117.83	117.58	
PL.31468	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.12 LL01-LL02	118.70	116.09	115.75	
PL.31469	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.12 LL01-LL02	118.70	116.09	115.76	

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.31470	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.12 LL01-LL02	118.70	116.09	115.76	
PL.33875	MT. STERLING	MTSTRLG3	C	2ACSR	0.05	7.15 LL01-LL02	119.12	116.98	116.71	
PL.3411	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.14 LL01-LL02	119.02	116.85	116.57	
PL.3414	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.13 LL01-LL02	118.85	116.62	116.34	
PL.3415	MT. STERLING	MTSTRLG3	C	4ACSR	0.12	7.13 LL01-LL02	118.88	116.66	116.38	
PL.3468	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.15 LL01-LL02	119.15	117.02	116.75	
PL.3469	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.16 LL01-LL02	119.29	117.21	116.95	
PL.3470	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.15 LL01-LL02	119.23	117.13	116.86	
PL.3471	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.14 LL01-LL02	119.02	116.85	116.58	
PL.3472	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.14 LL01-LL02	119.03	116.86	116.59	
PL.3473	MT. STERLING	MTSTRLG3	C	4ACSR	0.08	7.15 LL01-LL02	119.12	116.98	116.71	
PL.3474	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.14 LL01-LL02	119.03	116.86	116.58	
PL.3475	MT. STERLING	MTSTRLG3	C	4ACSR	0.16	7.14 LL01-LL02	118.94	116.74	116.46	
PL.34988	MT. STERLING	MTSTRLG3	B	2ACSR	0.05	7.12 LL01-LL02	118.71	116.11	115.77	
PL.34989	MT. STERLING	MTSTRLG3	B	2ACSR	0.05	7.12 LL01-LL02	118.71	116.10	115.77	
PL.34990	MT. STERLING	MTSTRLG3	B	1/0EPRJCN	0.00	7.12 LL01-LL02	118.71	116.11	115.77	
PL.34991	MT. STERLING	MTSTRLG3	B	1/0EPRJCN	0.05	7.12 LL01-LL02	118.71	116.10	115.77	
PL.39239	MT. STERLING	MTSTRLG3	B	2ACSR	0.08	7.12 LL01-LL02	118.71	116.10	115.77	
PL.39240	MT. STERLING	MTSTRLG3	B	1/0EPRJCN	0.08	7.12 LL01-LL02	118.71	116.10	115.77	
PL.39662	MT. STERLING	MTSTRLG3	C	2ACSR	0.24	7.14 LL01-LL02	119.02	116.93	116.67	
PL.3984	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.15 LL01-LL02	119.15	117.02	116.75	
PL.4020	MT. STERLING	MTSTRLG3	B	4ACSR	0.05	7.14 LL01-LL02	118.92	116.39	116.07	
PL.4056	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.13 LL01-LL02	118.88	116.66	116.38	
PL.40645	MT. STERLING	MTSTRLG3	B	2ACSR	0.05	7.12 LL01-LL02	118.71	116.10	115.77	
PL.40646	MT. STERLING	MTSTRLG3	B	1/0EPRJCN	0.06	7.12 LL01-LL02	118.71	116.10	115.77	
PL.4087	MT. STERLING	MTSTRLG3	C	4ACSR	0.17	7.14 LL01-LL02	119.05	116.97	116.71	
PL.4104	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.14 LL01-LL02	119.05	116.97	116.71	
PL.4105	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.14 LL01-LL02	119.05	116.97	116.71	
PL.4126	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.14 LL01-LL02	118.93	116.72	116.44	
PL.41269	MT. STERLING	MTSTRLG3	B	4ACSR	0.09	7.15 LL01-LL02	119.10	116.62	116.31	
PL.4127	MT. STERLING	MTSTRLG3	C	4ACSR	0.15	7.13 LL01-LL02	118.85	116.63	116.34	
PL.4367	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.13 LL01-LL02	118.76	116.62	116.34	
PL.4368	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.13 LL01-LL02	118.81	116.67	116.40	
PL.4369	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.13 LL01-LL02	118.81	116.67	116.40	
PL.4370	MT. STERLING	MTSTRLG3	B	4ACSR	0.02	7.14 LL01-LL02	118.92	116.39	116.07	
PL.4371	MT. STERLING	MTSTRLG3	B	4ACSR	0.11	7.14 LL01-LL02	118.98	116.47	116.15	
PL.4373	MT. STERLING	MTSTRLG3	B	4ACSR	0.12	7.15 LL01-LL02	119.21	116.78	116.47	
PL.4374	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.15 LL01-LL02	119.21	116.77	116.46	
PL.4375	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.15 LL01-LL02	119.20	116.77	116.46	

Summer_Low_Voltage

Section					Length	Primary		EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name	Feeder Name	Phasing	Equipment	(Miles)	kV (Bal)	Timing	JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.4376	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.15	LL01-LL02	119.20	116.76	116.46
PL.4377	MT. STERLING	MTSTRLG3	B	4ACSR	0.02	7.15	LL01-LL02	119.20	116.76	116.45
PL.4378	MT. STERLING	MTSTRLG3	B	4ACSR	0.05	7.15	LL01-LL02	119.20	116.76	116.45
PL.4380	MT. STERLING	MTSTRLG3	C	4ACSR	0.11	7.08	LL01-LL02	118.08	115.74	115.45
PL.4393	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.15	LL01-LL02	119.12	116.66	116.35
PL.4394	MT. STERLING	MTSTRLG3	B	4ACSR	0.09	7.15	LL01-LL02	119.16	116.71	116.40
PL.4395	MT. STERLING	MTSTRLG3	B	4ACSR	0.10	7.15	LL01-LL02	119.17	116.72	116.41
PL.4396	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.15	LL01-LL02	119.16	116.72	116.41
PL.4397	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.16	LL01-LL02	119.39	117.02	116.72
PL.4398	MT. STERLING	MTSTRLG3	B	4ACSR	0.07	7.15	LL01-LL02	119.22	116.79	116.48
PL.4399	MT. STERLING	MTSTRLG3	B	4ACSR	0.09	7.15	LL01-LL02	119.22	116.79	116.48
PL.4400	MT. STERLING	MTSTRLG3	B	4ACSR	0.13	7.18	LL01-LL02	119.60	117.30	117.01
PL.4401	MT. STERLING	MTSTRLG3	C	4ACSR	0.16	7.10	LL01-LL02	118.31	116.05	115.76
PL.4403	MT. STERLING	MTSTRLG3	B	4ACSR	0.13	7.15	LL01-LL02	119.16	116.71	116.40
PL.44193	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.02	7.27	LL01-LL02	121.11	119.57	119.37
PL.44194	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.05	7.26	LL01-LL02	121.07	119.52	119.32
PL.44345	MT. STERLING	MTSTRLG3	C	2ACSR	0.03	7.19	LL01-LL02	119.82	117.92	117.68
PL.45142	MT. STERLING	MTSTRLG3	B	2ACSR	0.11	7.15	LL01-LL02	119.20	116.76	116.45
PL.45221	MT. STERLING	MTSTRLG3	B	4ACSR	0.22	7.12	LL01-LL02	118.72	116.11	115.78
PL.45222	MT. STERLING	MTSTRLG3	B	4ACSR	0.05	7.12	LL01-LL02	118.72	116.11	115.78
PL.45300	MT. STERLING	MTSTRLG3	C	4ACSR	0.23	7.13	LL01-LL02	118.89	116.68	116.40
PL.45301	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.13	LL01-LL02	118.88	116.66	116.38
PL.45948	MT. STERLING	MTSTRLG3	C	4ACSR	0.29	7.12	LL01-LL02	118.59	116.39	116.11
PL.46510	MT. STERLING	MTSTRLG3	B	4ACSR	0.01	7.13	LL01-LL02	118.80	116.23	115.90
PL.46511	MT. STERLING	MTSTRLG3	B	4ACSR	0.12	7.13	LL01-LL02	118.77	116.19	115.86
PL.5078	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.13	LL01-LL02	118.91	116.80	116.53
PL.5754	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.04	7.20	LL01-LL02	119.99	118.12	117.88
PL.5755	MT. STERLING	MTSTRLG3	ABC	4/0ACSR	0.19	7.21	LL01-LL02	120.12	118.28	118.05
PL.5756	MT. STERLING	MTSTRLG3	C	4ACSR	0.28	7.12	LL01-LL02	118.59	116.39	116.11
PL.5757	MT. STERLING	MTSTRLG3	C	4ACSR	0.15	7.12	LL01-LL02	118.59	116.39	116.11
PL.5758	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.12	LL01-LL02	118.59	116.39	116.11
PL.5759	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.17	7.21	LL01-LL02	120.13	118.29	118.06
PL.5885	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.10	7.26	LL01-LL02	121.01	119.43	119.23
PL.5904	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.14	LL01-LL02	119.06	116.98	116.72
PL.5905	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.14	LL01-LL02	119.05	116.97	116.71
PL.5911	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.16	LL01-LL02	119.31	117.30	117.04
PL.5912	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.16	LL01-LL02	119.31	117.30	117.04
PL.61	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.18	LL01-LL02	119.61	117.64	117.39
PL.7539	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.18	LL01-LL02	119.69	117.75	117.50

Summer_Low_Voltage

Section					Length	Primary		EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name	Feeder Name	Phasing	Equipment	(Miles)	kV (Bal)	Timing	JUL05 Base	Base Volts	Base Volts
								Volts (Bal)	(Bal)	(Bal)
PL.7610	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.16	LL01-LL02	119.40	117.35	117.09
PL.7611	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.16	LL01-LL02	119.38	117.33	117.07
PL.7833	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.15	LL01-LL02	119.12	116.99	116.72
PL.7834	MT. STERLING	MTSTRLG3	C	4ACSR	0.16	7.14	LL01-LL02	118.93	116.73	116.45
PL.7840	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.15	LL01-LL02	119.16	117.03	116.77
PL.7946	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.14	LL01-LL02	118.99	116.48	116.16
PL.7947	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.14	LL01-LL02	119.01	116.51	116.19
PL.7948	MT. STERLING	MTSTRLG3	B	4ACSR	0.05	7.14	LL01-LL02	118.98	116.47	116.15
PL.7949	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.14	LL01-LL02	118.98	116.47	116.15
PL.7950	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.15	LL01-LL02	119.16	116.71	116.40
PL.7951	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.15	LL01-LL02	119.17	116.73	116.42
PL.7954	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.16	LL01-LL02	119.31	116.91	116.61
PL.7955	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.16	LL01-LL02	119.31	116.91	116.61
PL.7956	MT. STERLING	MTSTRLG3	B	4ACSR	0.02	7.16	LL01-LL02	119.39	117.01	116.71
PL.7957	MT. STERLING	MTSTRLG3	B	4ACSR	0.09	7.16	LL01-LL02	119.34	116.95	116.65
PL.7959	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.06	7.19	LL01-LL02	119.82	117.90	117.66
PL.7970	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.14	7.20	LL01-LL02	119.93	118.03	117.79
PL.7971	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.13	LL01-LL02	118.80	116.66	116.39
PL.7972	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.13	LL01-LL02	118.80	116.66	116.39
PL.7973	MT. STERLING	MTSTRLG3	B	4ACSR	0.14	7.14	LL01-LL02	118.94	116.41	116.09
PL.7974	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.14	LL01-LL02	118.93	116.40	116.08
PL.7975	MT. STERLING	MTSTRLG3	C	4ACSR	0.40	7.08	LL01-LL02	118.08	115.74	115.45
PL.7976	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.08	LL01-LL02	118.08	115.74	115.45
PL.7979	MT. STERLING	MTSTRLG3	B	4ACSR	0.14	7.15	LL01-LL02	119.22	116.79	116.48
PL.7980	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.18	LL01-LL02	119.69	117.43	117.14
PL.7981	MT. STERLING	MTSTRLG3	B	4ACSR	0.02	7.15	LL01-LL02	119.21	116.78	116.47
PL.7982	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.15	LL01-LL02	119.25	116.83	116.52
PL.8012	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.13	LL01-LL02	118.76	116.17	115.84
PL.8013	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.13	LL01-LL02	118.75	116.16	115.83
PL.8390	MT. STERLING	MTSTRLG3	C	4ACSR	0.11	7.12	LL01-LL02	118.59	116.39	116.11
PL.8391	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.12	LL01-LL02	118.59	116.39	116.11
PL.11461	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.07	7.28	LL03-LL04	121.33	119.85	119.66
PL.11463	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.20	LL03-LL04	119.96	118.11	117.87
PL.11464	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.20	LL03-LL04	119.95	118.10	117.87
PL.1324	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.20	LL03-LL04	119.95	118.10	117.87
PL.16469	MT. STERLING	MTSTRLG3	B	4ACSR	0.02	7.22	LL03-LL04	120.28	118.22	117.96
PL.16470	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.21	LL03-LL04	120.18	118.09	117.82
PL.17759	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.20	LL03-LL04	120.03	118.20	117.97
PL.17760	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.20	LL03-LL04	120.01	118.17	117.94

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.17761	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.20	LL03-LL04	119.96	118.11	117.87
PL.27291	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.20	LL03-LL04	119.96	118.11	117.87
PL.27537	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.20	LL03-LL04	119.96	118.11	117.87
PL.27538	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.20	LL03-LL04	119.96	118.11	117.87
PL.31449	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.20	LL03-LL04	119.95	118.10	117.87
PL.31450	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.20	LL03-LL04	119.95	118.11	117.87
PL.4379	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.21	LL03-LL04	120.18	118.09	117.82
PL.7537	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.05	7.29	LL03-LL04	121.43	119.98	119.80
PL.7538	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.08	7.28	LL03-LL04	121.37	119.91	119.73
PL.7540	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.13	7.29	LL03-LL04	121.46	120.03	119.85
PL.11490	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.12	7.08	LL00	117.95	117.59	117.55
PL.11491	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.08	LL00	117.92	117.55	117.51
PL.11492	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.07	LL00	117.86	117.49	117.46
PL.11896	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	6.98	LL00	116.29	115.85	115.81
PL.11897	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	6.98	LL00	116.32	115.88	115.83
PL.11898	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	6.98	LL00	116.32	115.88	115.83
PL.11906	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	6.99	LL00	116.48	116.05	116.01
PL.11907	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.13	6.99	LL00	116.48	116.05	116.00
PL.11909	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	6.99	LL00	116.55	116.12	116.08
PL.11910	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	6.99	LL00	116.58	116.15	116.11
PL.11911	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.17	7.00	LL00	116.74	116.32	116.27
PL.12278	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.06	LL00	117.60	117.22	117.18
PL.12279	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.22	7.05	LL00	117.44	117.05	117.01
PL.12280	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.05	LL00	117.56	117.18	117.14
PL.12281	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.05	LL00	117.56	117.18	117.14
PL.12282	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.13	7.04	LL00	117.33	116.94	116.90
PL.12283	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.14	7.04	LL00	117.27	116.87	116.83
PL.12285	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.03	LL00	117.24	116.84	116.80
PL.15650	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.09	7.07	LL00	117.78	117.41	117.37
PL.15651	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.06	LL00	117.73	117.35	117.32
PL.19554	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.11	6.98	LL00	116.37	115.94	115.89
PL.19555	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	6.98	LL00	116.35	115.91	115.87
PL.19990	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.06	LL00	117.63	117.25	117.21
PL.20054	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.00	LL00	116.70	116.28	116.24
PL.20489	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.01	LL00	116.89	116.48	116.43
PL.20490	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.03	LL00	117.21	116.82	116.78
PL.20492	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.04	LL00	117.33	116.94	116.90
PL.20493	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.04	LL00	117.33	116.94	116.90
PL.20494	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.04	LL00	117.33	116.94	116.90

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.20495	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.04	LL00	117.32	116.93	116.89
PL.20645	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	7.03	LL00	117.21	116.82	116.78
PL.20646	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.12	7.03	LL00	117.22	116.83	116.79
PL.20647	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	7.03	LL00	117.22	116.82	116.78
PL.21404	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.05	LL00	117.56	117.18	117.14
PL.21405	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	7.05	LL00	117.56	117.18	117.14
PL.21580	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.00	LL00	116.61	116.18	116.14
PL.21949	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	7.05	LL00	117.56	117.18	117.14
PL.21951	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.04	LL00	117.33	116.94	116.90
PL.22185	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.02	LL00	116.92	116.51	116.46
PL.22186	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.15	7.01	LL00	116.90	116.49	116.45
PL.22975	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	6.99	LL00	116.57	116.15	116.10
PL.22976	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	6.99	LL00	116.48	116.04	116.00
PL.22977	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	6.99	LL00	116.47	116.04	116.00
PL.22978	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.01	LL00	116.89	116.47	116.43
PL.22980	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.04	LL00	117.33	116.94	116.90
PL.22981	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.04	LL00	117.33	116.94	116.90
PL.22982	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.04	LL00	117.33	116.94	116.90
PL.22983	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.05	LL00	117.48	117.10	117.06
PL.22984	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.05	LL00	117.48	117.10	117.06
PL.24956	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	7.04	LL00	117.39	117.00	116.96
PL.24957	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.04	LL00	117.30	116.91	116.87
PL.26121	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.15	7.06	LL00	117.62	117.24	117.20
PL.26122	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	7.05	LL00	117.53	117.14	117.10
PL.26123	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.04	LL00	117.29	116.89	116.85
PL.26124	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.03	LL00	117.23	116.83	116.79
PL.26125	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.05	LL00	117.48	117.10	117.06
PL.26126	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.11	7.04	LL00	117.35	116.96	116.92
PL.26127	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.26	7.02	LL00	116.95	116.54	116.50
PL.26129	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.01	LL00	116.85	116.44	116.40
PL.26130	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.01	LL00	116.89	116.48	116.44
PL.27478	REID VILLAGE	RDVILLAGE1	B	1/0EPRJCN	0.05	7.07	LL00	117.91	117.55	117.51
PL.28464	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.07	LL00	117.91	117.54	117.50
PL.28606	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.12	6.99	LL00	116.47	116.04	116.00
PL.28610	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.26	6.97	LL00	116.24	115.80	115.75
PL.28611	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.09	7.07	LL00	117.90	117.54	117.50
PL.28613	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.29	7.04	LL00	117.33	116.94	116.90
PL.28667	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.04	LL00	117.26	116.87	116.83
PL.28671	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.01	LL00	116.91	116.50	116.46

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.31448	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	6.98	LL00	116.29	115.85	115.81
PL.33949	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.03	7.04	LL00	117.33	116.94	116.90
PL.35656	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.07	7.03	LL00	117.23	116.84	116.80
PL.36755	REID VILLAGE	RDVILLAGE1	B	1/0EPRJCN	0.03	7.05	LL00	117.53	117.14	117.10
PL.39098	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.08	LL00	117.95	117.59	117.55
PL.39099	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.08	LL00	117.95	117.59	117.55
PL.39100	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.07	LL00	117.92	117.55	117.51
PL.39101	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.07	LL00	117.91	117.55	117.51
PL.39102	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.07	LL00	117.92	117.55	117.51
PL.39103	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.07	LL00	117.91	117.55	117.51
PL.39104	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.09	7.06	LL00	117.62	117.24	117.21
PL.39105	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.06	LL00	117.63	117.25	117.21
PL.39107	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.04	LL00	117.27	116.87	116.83
PL.39108	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	7.04	LL00	117.26	116.87	116.83
PL.39109	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.03	LL00	117.24	116.84	116.80
PL.39110	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.09	7.03	LL00	117.24	116.84	116.80
PL.39111	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.03	LL00	117.24	116.84	116.80
PL.39112	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	7.03	LL00	117.23	116.84	116.80
PL.39144	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.06	LL00	117.62	117.24	117.20
PL.39145	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.06	LL00	117.62	117.24	117.20
PL.39146	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.06	LL00	117.62	117.24	117.20
PL.39147	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.06	LL00	117.62	117.24	117.20
PL.39148	REID VILLAGE	RDVILLAGE1	B	1/0EPRJCN	0.00	7.05	LL00	117.53	117.14	117.10
PL.39149	REID VILLAGE	RDVILLAGE1	B	1/0EPRJCN	0.03	7.05	LL00	117.53	117.14	117.10
PL.39150	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.04	LL00	117.29	116.89	116.85
PL.39151	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	7.04	LL00	117.28	116.88	116.84
PL.39173	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.01	7.04	LL00	117.29	116.89	116.85
PL.39174	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.02	7.04	LL00	117.28	116.89	116.85
PL.39175	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.02	LL00	116.95	116.54	116.50
PL.39176	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.12	7.02	LL00	116.92	116.51	116.47
PL.39179	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.01	LL00	116.91	116.50	116.46
PL.39180	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.02	7.01	LL00	116.90	116.48	116.44
PL.39181	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.01	LL00	116.85	116.44	116.40
PL.39182	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.16	7.01	LL00	116.85	116.44	116.40
PL.39183	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.00	LL00	116.74	116.32	116.27
PL.39184	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.00	LL00	116.74	116.32	116.27
PL.39185	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.00	LL00	116.61	116.18	116.14
PL.39186	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.00	LL00	116.61	116.18	116.14
PL.39187	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	6.99	LL00	116.58	116.15	116.11

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.39188	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	6.99 LL00	116.57	116.15	116.10	
PL.39189	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	6.99 LL00	116.51	116.08	116.03	
PL.39190	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	6.99 LL00	116.50	116.07	116.03	
PL.39191	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	6.99 LL00	116.48	116.05	116.01	
PL.40444	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.04 LL00	117.26	116.86	116.82	
PL.40445	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.03 LL00	117.25	116.85	116.81	
PL.41528	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.13	7.06 LL00	117.62	117.24	117.21	
PL.44333	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.00 LL00	116.67	116.25	116.21	
PL.44334	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	7.00 LL00	116.61	116.18	116.14	
PL.45340	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	6.99 LL00	116.45	116.01	115.97	
PL.45343	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.15	6.98 LL00	116.41	115.97	115.93	
PL.45344	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	6.99 LL00	116.48	116.05	116.00	
PL.45345	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	6.99 LL00	116.45	116.01	115.97	
PL.45779	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.06	7.07 LL00	117.90	117.54	117.50	
PL.45780	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.04	7.07 LL00	117.90	117.54	117.50	
PL.45781	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.05	7.06 LL00	117.67	117.29	117.25	
PL.45782	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.06 LL00	117.67	117.29	117.25	
PL.45783	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.06 LL00	117.66	117.28	117.24	
PL.46419	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.33	7.23 LL00	120.43	120.19	120.17	
PL.46428	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.01	7.07 LL00	117.85	117.48	117.44	
PL.46429	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.03	7.07 LL00	117.82	117.45	117.42	
PL.46430	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.06	7.22 LL00	120.41	120.17	120.15	
PL.46431	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.04	7.22 LL00	120.40	120.16	120.13	
PL.46432	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.04	7.22 LL00	120.39	120.15	120.13	
PL.46435	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.15	7.22 LL00	120.36	120.12	120.09	
PL.46443	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.38	7.22 LL00	120.28	120.04	120.01	
PL.46444	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.02	7.22 LL00	120.28	120.03	120.01	
PL.46505	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.40	7.23 LL00	120.53	120.30	120.27	
PL.6637	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	6.98 LL00	116.33	115.89	115.85	
PL.6641	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	6.99 LL00	116.51	116.08	116.03	
PL.6646	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.06 LL00	117.69	117.32	117.28	
PL.11493	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.02	7.09 LL01-LL02	118.16	117.80	117.77	
PL.11494	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.09 LL01-LL02	118.15	117.80	117.76	
PL.11495	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.08 LL01-LL02	118.08	117.72	117.69	
PL.22668	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.07	7.20 LL01-LL02	119.93	119.67	119.64	
PL.24978	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	7.09 LL01-LL02	118.19	117.83	117.80	
PL.24980	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.09 LL01-LL02	118.15	117.79	117.75	
PL.25631	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.39	7.19 LL01-LL02	119.89	119.63	119.60	
PL.25632	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.08	7.19 LL01-LL02	119.89	119.62	119.60	

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.25633	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.09	7.19	LL01-LL02	119.89	119.62	119.60
PL.25634	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.06	7.20	LL01-LL02	119.92	119.66	119.63
PL.25635	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.22	7.19	LL01-LL02	119.90	119.63	119.60
PL.28465	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.08	LL01-LL02	118.07	117.71	117.68
PL.28473	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.00	7.20	LL01-LL02	119.94	119.67	119.65
PL.39094	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.09	LL01-LL02	118.16	117.80	117.77
PL.39095	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.09	LL01-LL02	118.15	117.79	117.76
PL.39096	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.08	LL01-LL02	118.08	117.72	117.69
PL.39097	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.08	LL01-LL02	118.07	117.71	117.68
PL.41693	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.02	7.20	LL01-LL02	119.94	119.67	119.65
PL.46370	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.01	7.20	LL01-LL02	119.94	119.68	119.65
PL.46371	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.10	LL01-LL02	118.28	117.93	117.90
PL.46372	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.06	7.25	LL01-LL02	120.91	120.68	120.66
PL.46377	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.05	7.25	LL01-LL02	120.89	120.67	120.64
PL.46378	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.02	7.25	LL01-LL02	120.88	120.66	120.64
PL.46384	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.10	7.25	LL01-LL02	120.85	120.62	120.60
PL.46385	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.09	7.25	LL01-LL02	120.82	120.59	120.57
PL.46386	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.10	LL01-LL02	118.31	117.96	117.93
PL.46387	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.10	LL01-LL02	118.31	117.96	117.92
PL.46394	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.11	7.25	LL01-LL02	120.79	120.56	120.53
PL.46397	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.18	7.24	LL01-LL02	120.73	120.50	120.47
PL.46402	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.06	7.24	LL01-LL02	120.71	120.47	120.45
PL.46407	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.01	7.09	LL01-LL02	118.13	117.78	117.74
PL.46408	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.02	7.09	LL01-LL02	118.13	117.78	117.74
PL.46410	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.11	7.24	LL01-LL02	120.67	120.44	120.41
PL.46450	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.65	7.21	LL01-LL02	120.16	119.90	119.88
PL.46457	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.65	7.20	LL01-LL02	120.04	119.78	119.76
PL.46464	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.04	7.20	LL01-LL02	120.04	119.78	119.75
PL.46469	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.23	7.20	LL01-LL02	120.01	119.75	119.73
PL.46473	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.07	7.20	LL01-LL02	120.01	119.75	119.72
PL.46476	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.33	7.20	LL01-LL02	119.97	119.71	119.69
PL.46482	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.01	7.20	LL01-LL02	119.97	119.71	119.69
PL.46485	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.06	7.20	LL01-LL02	119.97	119.71	119.68
PL.46488	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.25	7.20	LL01-LL02	119.94	119.68	119.66
PL.46489	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.04	7.20	LL01-LL02	119.94	119.68	119.65
PL.46490	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.17	7.20	LL01-LL02	119.93	119.67	119.64
PL.46500	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.03	7.24	LL01-LL02	120.66	120.43	120.41
PL.46501	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.01	7.24	LL01-LL02	120.66	120.43	120.40
PL.46503	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.04	7.08	LL01-LL02	118.08	117.72	117.69

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.46504	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.01	7.24	LL01-LL02	120.66	120.42	120.40
PL.12187	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.08	7.26	LL03-LL04	120.93	120.71	120.69
PL.1046	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.34	LL01-LL02	119.48	117.22	116.94
PL.1047	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.25	14.35	LL01-LL02	119.62	117.42	117.15
PL.1049	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.41	LL01-LL02	120.04	117.98	117.72
PL.1051	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.40	LL01-LL02	120.03	117.96	117.70
PL.1053	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.12	14.40	LL01-LL02	120.03	117.96	117.70
PL.1054	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.11	14.40	LL01-LL02	120.03	117.96	117.70
PL.11182	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.39	LL01-LL02	119.93	117.83	117.56
PL.11183	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.39	LL01-LL02	119.93	117.83	117.56
PL.11184	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.39	LL01-LL02	119.93	117.82	117.56
PL.11185	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.12	14.39	LL01-LL02	119.90	117.79	117.52
PL.11186	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.39	LL01-LL02	119.90	117.78	117.52
PL.11189	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.11	14.39	LL01-LL02	119.90	117.78	117.52
PL.11199	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.41	LL01-LL02	120.05	117.98	117.72
PL.11200	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.21	14.40	LL01-LL02	120.04	117.97	117.71
PL.11201	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.12	14.40	LL01-LL02	120.03	117.96	117.70
PL.11202	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.39	14.40	LL01-LL02	120.02	117.95	117.69
PL.11203	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.16	14.40	LL01-LL02	120.02	117.95	117.69
PL.11204	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.40	LL01-LL02	120.02	117.95	117.69
PL.11207	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.39	LL01-LL02	119.88	117.76	117.50
PL.11208	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.38	LL01-LL02	119.86	117.73	117.47
PL.11214	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.21	14.36	LL01-LL02	119.69	117.51	117.23
PL.11225	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.22	14.35	LL01-LL02	119.60	117.39	117.11
PL.11226	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.35	LL01-LL02	119.58	117.37	117.09
PL.11227	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.42	14.34	LL01-LL02	119.54	117.31	117.02
PL.11228	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.16	14.34	LL01-LL02	119.52	117.28	117.00
PL.11229	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.35	LL01-LL02	119.62	117.42	117.15
PL.11230	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.35	LL01-LL02	119.62	117.42	117.15
PL.11231	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.20	14.34	LL01-LL02	119.49	117.24	116.96
PL.11232	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.34	LL01-LL02	119.49	117.23	116.95
PL.11233	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.18	14.34	LL01-LL02	119.48	117.22	116.94
PL.11234	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.23	14.34	LL01-LL02	119.48	117.22	116.94
PL.11295	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.34	LL01-LL02	119.48	117.23	116.94
PL.11296	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.16	14.34	LL01-LL02	119.48	117.23	116.95
PL.11297	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.34	LL01-LL02	119.48	117.23	116.95
PL.11298	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.34	LL01-LL02	119.48	117.23	116.94
PL.11299	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.34	LL01-LL02	119.49	117.23	116.95
PL.11300	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.34	LL01-LL02	119.48	117.23	116.95

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.11301	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.34	LL01-LL02	119.49	117.23	116.95
PL.11302	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.34	LL01-LL02	119.49	117.23	116.95
PL.11303	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.12	14.34	LL01-LL02	119.48	117.23	116.95
PL.11304	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.34	LL01-LL02	119.48	117.23	116.95
PL.11305	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.34	LL01-LL02	119.48	117.23	116.94
PL.11307	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.34	LL01-LL02	119.48	117.23	116.94
PL.11308	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.41	14.37	LL01-LL02	119.74	117.58	117.30
PL.11309	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.37	LL01-LL02	119.74	117.58	117.30
PL.11310	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.37	LL01-LL02	119.74	117.58	117.30
PL.11311	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.15	14.37	LL01-LL02	119.73	117.57	117.29
PL.11312	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.37	14.37	LL01-LL02	119.73	117.57	117.29
PL.11419	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.40	LL01-LL02	119.99	117.91	117.65
PL.11420	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.40	LL01-LL02	119.99	117.91	117.65
PL.11421	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.40	LL01-LL02	119.96	117.87	117.60
PL.11422	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.40	LL01-LL02	119.96	117.87	117.60
PL.11423	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.41	14.39	LL01-LL02	119.89	117.78	117.51
PL.11426	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.15	14.39	LL01-LL02	119.93	117.83	117.57
PL.11427	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.15	14.39	LL01-LL02	119.93	117.83	117.57
PL.11648	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.15	14.39	LL01-LL02	119.93	117.82	117.56
PL.11649	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.28	14.40	LL01-LL02	119.99	117.91	117.65
PL.11650	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.40	LL01-LL02	119.96	117.87	117.61
PL.11651	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.40	LL01-LL02	119.99	117.91	117.65
PL.11652	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.40	LL01-LL02	119.99	117.91	117.65
PL.14911	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.34	LL01-LL02	119.49	117.23	116.95
PL.14912	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.21	14.34	LL01-LL02	119.48	117.23	116.95
PL.15170	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.34	LL01-LL02	119.54	117.31	117.02
PL.18309	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.40	LL01-LL02	120.04	117.97	117.71
PL.18310	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.40	LL01-LL02	120.03	117.97	117.71
PL.19180	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.37	LL01-LL02	119.74	117.57	117.30
PL.19181	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.35	14.37	LL01-LL02	119.73	117.57	117.29
PL.19438	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.39	LL01-LL02	119.93	117.82	117.56
PL.19623	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.39	LL01-LL02	119.93	117.82	117.56
PL.19624	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.39	LL01-LL02	119.93	117.82	117.56
PL.19716	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.39	LL01-LL02	119.89	117.77	117.50
PL.21514	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.36	LL01-LL02	119.63	117.42	117.15
PL.21515	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.35	LL01-LL02	119.62	117.42	117.15
PL.2171	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.34	LL01-LL02	119.48	117.22	116.94
PL.2367	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.39	LL01-LL02	119.89	117.77	117.50
PL.2371	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.39	LL01-LL02	119.88	117.76	117.50

Summer_Low_Voltage

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
								JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.2372	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.39	LL01-LL02	119.88	117.76	117.50
PL.2373	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.40	LL01-LL02	119.99	117.91	117.65
PL.2375	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.39	LL01-LL02	119.94	117.85	117.58
PL.2379	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.19	14.39	LL01-LL02	119.93	117.82	117.56
PL.2380	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.41	LL01-LL02	120.04	117.98	117.72
PL.2381	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.39	LL01-LL02	119.90	117.78	117.52
PL.23891	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.12	14.37	LL01-LL02	119.71	117.54	117.26
PL.23892	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.37	LL01-LL02	119.71	117.54	117.26
PL.23893	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.37	LL01-LL02	119.71	117.54	117.26
PL.23894	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.37	LL01-LL02	119.71	117.54	117.26
PL.23895	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.37	LL01-LL02	119.71	117.54	117.26
PL.23896	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.34	LL01-LL02	119.52	117.28	117.00
PL.23897	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.37	LL01-LL02	119.71	117.55	117.28
PL.23899	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.40	LL01-LL02	120.02	117.95	117.69
PL.23900	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.40	LL01-LL02	120.02	117.95	117.69
PL.23901	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.41	LL01-LL02	120.04	117.98	117.72
PL.24791	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.41	LL01-LL02	120.04	117.98	117.72
PL.24792	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.41	LL01-LL02	120.04	117.98	117.72
PL.24793	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.38	LL01-LL02	119.83	117.70	117.44
PL.24794	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.38	LL01-LL02	119.83	117.70	117.44
PL.26343	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.39	LL01-LL02	119.89	117.77	117.50
PL.26344	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.38	LL01-LL02	119.83	117.70	117.44
PL.26635	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.22	14.38	LL01-LL02	119.80	117.66	117.39
PL.26937	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.34	LL01-LL02	119.54	117.30	117.02
PL.26938	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.34	LL01-LL02	119.52	117.28	117.00
PL.26939	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.28	14.34	LL01-LL02	119.50	117.26	116.97
PL.26940	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.35	LL01-LL02	119.58	117.37	117.09
PL.26941	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.35	LL01-LL02	119.58	117.37	117.09
PL.26942	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.35	LL01-LL02	119.60	117.39	117.11
PL.26943	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.30	14.35	LL01-LL02	119.60	117.39	117.11
PL.26944	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.35	LL01-LL02	119.60	117.39	117.11
PL.26945	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.35	LL01-LL02	119.60	117.39	117.11
PL.26946	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.35	LL01-LL02	119.62	117.42	117.15
PL.26947	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.24	14.35	LL01-LL02	119.62	117.42	117.15
PL.26948	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.37	LL01-LL02	119.71	117.54	117.27
PL.26949	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.37	LL01-LL02	119.71	117.54	117.27
PL.26950	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.37	LL01-LL02	119.74	117.57	117.30
PL.26951	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.19	14.37	LL01-LL02	119.71	117.54	117.27
PL.26952	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.39	LL01-LL02	119.88	117.76	117.50

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.26953	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.39	LL01-LL02	119.88	117.76	117.50
PL.26955	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.22	14.41	LL01-LL02	120.05	117.99	117.73
PL.27873	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.18	14.39	LL01-LL02	119.92	117.82	117.55
PL.27874	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.30	14.39	LL01-LL02	119.91	117.80	117.53
PL.27955	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.26	14.34	LL01-LL02	119.48	117.23	116.94
PL.27956	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.34	LL01-LL02	119.48	117.23	116.94
PL.29280	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.34	LL01-LL02	119.48	117.23	116.94
PL.29281	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.34	LL01-LL02	119.48	117.23	116.94
PL.29282	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.34	LL01-LL02	119.48	117.23	116.95
PL.29382	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.34	LL01-LL02	119.51	117.27	116.99
PL.29383	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.16	14.34	LL01-LL02	119.51	117.27	116.99
PL.29384	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.34	LL01-LL02	119.48	117.23	116.95
PL.29465	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.34	LL01-LL02	119.48	117.23	116.95
PL.29466	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.34	LL01-LL02	119.48	117.23	116.95
PL.29467	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.34	LL01-LL02	119.48	117.23	116.95
PL.29612	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.34	LL01-LL02	119.52	117.28	117.00
PL.29613	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.23	14.34	LL01-LL02	119.51	117.27	116.99
PL.30363	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.15	14.39	LL01-LL02	119.89	117.78	117.51
PL.30364	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.16	14.39	LL01-LL02	119.89	117.77	117.51
PL.33683	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.34	LL01-LL02	119.49	117.24	116.95
PL.33684	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.34	LL01-LL02	119.49	117.24	116.96
PL.33685	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.34	LL01-LL02	119.50	117.26	116.97
PL.33686	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.34	LL01-LL02	119.50	117.26	116.97
PL.33687	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.34	LL01-LL02	119.48	117.23	116.95
PL.33688	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.34	LL01-LL02	119.48	117.23	116.94
PL.33690	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.34	LL01-LL02	119.48	117.23	116.94
PL.33692	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.34	LL01-LL02	119.48	117.23	116.94
PL.33712	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.41	LL01-LL02	120.05	117.98	117.72
PL.33713	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.19	14.41	LL01-LL02	120.04	117.98	117.72
PL.33714	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.40	LL01-LL02	120.04	117.97	117.71
PL.33715	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.11	14.40	LL01-LL02	120.04	117.97	117.71
PL.33716	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.40	LL01-LL02	120.04	117.97	117.71
PL.33717	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.11	14.40	LL01-LL02	120.04	117.97	117.71
PL.33718	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.40	LL01-LL02	120.03	117.96	117.70
PL.33719	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.40	LL01-LL02	120.03	117.96	117.70
PL.33720	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.40	LL01-LL02	120.02	117.95	117.69
PL.33721	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.40	LL01-LL02	120.02	117.95	117.69
PL.33722	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.39	LL01-LL02	119.89	117.78	117.51
PL.33723	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.39	LL01-LL02	119.89	117.78	117.51

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.33724	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.39	LL01-LL02	119.90	117.79	117.52
PL.33725	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.39	LL01-LL02	119.90	117.79	117.52
PL.33726	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.39	LL01-LL02	119.90	117.78	117.52
PL.33727	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.39	LL01-LL02	119.90	117.78	117.52
PL.33728	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.39	LL01-LL02	119.91	117.80	117.53
PL.33729	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.39	LL01-LL02	119.91	117.80	117.53
PL.33730	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.39	LL01-LL02	119.93	117.83	117.57
PL.33731	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.15	14.39	LL01-LL02	119.93	117.83	117.56
PL.37907	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.39	LL01-LL02	119.95	117.85	117.59
PL.37908	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.39	LL01-LL02	119.94	117.85	117.58
PL.45187	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.34	LL01-LL02	119.48	117.23	116.94
PL.45188	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.34	LL01-LL02	119.48	117.23	116.94
PL.45189	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.34	LL01-LL02	119.48	117.23	116.94
PL.45190	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.34	LL01-LL02	119.48	117.23	116.94
PL.45191	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.34	LL01-LL02	119.48	117.23	116.94
PL.45397	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.39	LL01-LL02	119.89	117.77	117.51
PL.45398	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.15	14.39	LL01-LL02	119.89	117.77	117.50
PL.45412	SIDEVIEW	SIDEVIEW1	C	2ACSR	0.03	14.34	LL01-LL02	119.48	117.23	116.94
PL.45413	SIDEVIEW	SIDEVIEW1	C	2ACSR	0.06	14.34	LL01-LL02	119.48	117.23	116.94
PL.45414	SIDEVIEW	SIDEVIEW1	C	2ACSR	0.10	14.34	LL01-LL02	119.48	117.23	116.94
PL.45540	SIDEVIEW	SIDEVIEW1	C	2ACSR	0.19	14.34	LL01-LL02	119.48	117.23	116.94
PL.6085	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.34	LL01-LL02	119.48	117.23	116.94
PL.6561	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.35	LL01-LL02	119.62	117.42	117.15
PL.6562	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.11	14.37	LL01-LL02	119.73	117.56	117.29
PL.6563	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.29	14.37	LL01-LL02	119.72	117.56	117.29
PL.6564	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.41	14.35	LL01-LL02	119.62	117.42	117.15
PL.6565	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.34	LL01-LL02	119.48	117.23	116.94
PL.6566	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.35	LL01-LL02	119.60	117.39	117.11
PL.6567	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.35	LL01-LL02	119.62	117.42	117.15
PL.6568	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.35	LL01-LL02	119.62	117.42	117.15
PL.6569	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.19	14.40	LL01-LL02	120.03	117.97	117.71
PL.6570	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.18	14.40	LL01-LL02	120.03	117.96	117.70
PL.6571	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.40	LL01-LL02	120.03	117.96	117.70
PL.6572	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.40	LL01-LL02	120.03	117.96	117.70
PL.6671	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.41	LL01-LL02	120.05	117.99	117.73
PL.6673	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.39	LL01-LL02	119.90	117.78	117.51
PL.6674	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.39	LL01-LL02	119.89	117.77	117.50
PL.6675	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.40	LL01-LL02	119.99	117.91	117.65
PL.6676	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.40	LL01-LL02	119.99	117.91	117.65

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.8588	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.40	14.36	LL01-LL02	119.64	117.44	117.17
PL.8589	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.36	LL01-LL02	119.63	117.43	117.15
PL.11190	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.42	LL03-LL04	120.16	118.14	117.88
PL.11191	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.42	LL03-LL04	120.16	118.14	117.88
PL.11646	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.43	LL03-LL04	120.22	118.21	117.96
PL.11647	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.42	LL03-LL04	120.20	118.19	117.94
PL.17997	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.42	LL03-LL04	120.18	118.16	117.91
PL.17998	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.42	LL03-LL04	120.16	118.14	117.88
PL.18505	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.43	LL03-LL04	120.21	118.21	117.96
PL.19148	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.42	LL03-LL04	120.20	118.19	117.94
PL.19149	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.42	LL03-LL04	120.13	118.10	117.84
PL.19150	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.41	LL03-LL04	120.07	118.02	117.76
PL.19316	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.42	LL03-LL04	120.20	118.19	117.94
PL.2365	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.42	LL03-LL04	120.20	118.19	117.94
PL.2366	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.42	LL03-LL04	120.20	118.19	117.94
PL.2374	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.42	LL03-LL04	120.20	118.19	117.94
PL.2377	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.42	LL03-LL04	120.20	118.20	117.94
PL.2378	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.42	LL03-LL04	120.20	118.19	117.93
PL.2382	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.42	LL03-LL04	120.20	118.20	117.94
PL.26954	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.41	LL03-LL04	120.07	118.02	117.76
PL.45686	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.43	LL03-LL04	120.21	118.20	117.95
PL.45687	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.12	14.42	LL03-LL04	120.20	118.20	117.94
PL.2531	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	7.08	LL00	117.99	115.25	114.90
PL.2532	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.06	7.08	LL00	117.99	115.25	114.90
PL.2533	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	7.08	LL00	117.99	115.24	114.89
PL.2534	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.07	7.08	LL00	117.97	115.22	114.87
PL.2535	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	7.08	LL00	117.96	115.21	114.86
PL.2538	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.07	7.08	LL00	117.99	115.24	114.90
PL.27566	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.13	7.08	LL00	118.00	115.25	114.90
PL.39624	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	7.08	LL00	117.96	115.21	114.86
PL.39625	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.04	7.08	LL00	117.96	115.21	114.86
PL.43726	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	7.08	LL00	117.96	115.20	114.86
PL.43727	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.16	7.08	LL00	117.93	115.18	114.83
PL.6420	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.03	7.08	LL00	117.93	115.18	114.83
PL.6421	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.03	7.08	LL00	117.93	115.18	114.83
PL.11593	SIDEVIEW	SIDEVIEW3	ABC	4ACSR	0.07	7.23	LL01-LL02	120.51	118.58	118.33
PL.11594	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.00	7.08	LL01-LL02	118.03	115.30	114.95
PL.11598	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.06	7.08	LL01-LL02	118.03	115.30	114.95
PL.11600	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.10	7.08	LL01-LL02	118.06	115.32	114.97

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.11601	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.17	7.09	LL01-LL02	118.11	115.40	115.05
PL.12067	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.09	7.09	LL01-LL02	118.09	115.36	115.02
PL.12077	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.02	7.24	LL01-LL02	120.64	118.76	118.52
PL.12078	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.14	7.23	LL01-LL02	120.51	118.58	118.34
PL.12079	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.08	7.26	LL01-LL02	120.93	119.15	118.92
PL.12080	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.14	7.26	LL01-LL02	121.06	119.32	119.10
PL.12081	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.05	7.26	LL01-LL02	121.01	119.25	119.03
PL.12084	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.11	7.24	LL01-LL02	120.66	118.78	118.55
PL.12085	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.11	7.25	LL01-LL02	120.76	118.92	118.68
PL.12086	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.00	7.25	LL01-LL02	120.76	118.92	118.68
PL.12091	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	7.18	LL01-LL02	119.61	117.39	117.11
PL.12092	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.08	7.18	LL01-LL02	119.59	117.37	117.08
PL.12093	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.03	7.17	LL01-LL02	119.55	117.30	117.02
PL.12094	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.06	7.17	LL01-LL02	119.54	117.30	117.01
PL.12309	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.09	7.13	LL01-LL02	118.76	116.25	115.93
PL.12310	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.02	7.13	LL01-LL02	118.76	116.26	115.94
PL.12311	SIDEVIEW	SIDEVIEW3	ABC	4ACSR	0.37	7.23	LL01-LL02	120.50	118.57	118.33
PL.14335	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.15	7.20	LL01-LL02	120.08	117.98	117.71
PL.14336	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.20	LL01-LL02	120.08	117.97	117.71
PL.14337	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.20	LL01-LL02	120.07	117.97	117.70
PL.14338	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.20	LL01-LL02	120.07	117.96	117.70
PL.14601	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.25	7.27	LL01-LL02	121.20	119.52	119.31
PL.14767	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.04	7.11	LL01-LL02	118.45	115.84	115.51
PL.179	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.05	7.23	LL01-LL02	120.50	118.57	118.33
PL.18004	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.00	7.08	LL01-LL02	118.03	115.29	114.94
PL.18005	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.04	7.08	LL01-LL02	118.03	115.29	114.94
PL.20640	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.06	7.17	LL01-LL02	119.58	117.34	117.06
PL.20641	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.07	7.17	LL01-LL02	119.56	117.32	117.04
PL.20642	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.03	7.23	LL01-LL02	120.45	118.50	118.25
PL.20643	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.03	7.23	LL01-LL02	120.44	118.49	118.24
PL.20644	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.13	7.23	LL01-LL02	120.42	118.46	118.21
PL.21164	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.02	7.23	LL01-LL02	120.49	118.55	118.31
PL.2447	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.02	7.20	LL01-LL02	120.07	117.97	117.70
PL.24962	SIDEVIEW	SIDEVIEW3	ABC	4ACSR	0.11	7.23	LL01-LL02	120.51	118.58	118.34
PL.2527	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.11	7.11	LL01-LL02	118.45	115.84	115.51
PL.2529	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	7.08	LL01-LL02	118.03	115.29	114.94
PL.2530	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.03	7.08	LL01-LL02	118.03	115.29	114.94
PL.2590	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.12	7.17	LL01-LL02	119.53	117.29	117.00
PL.2591	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.09	7.17	LL01-LL02	119.53	117.28	117.00

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.27565	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	7.08 LL01-LL02	118.03	115.29	114.95	
PL.27567	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.02	7.08 LL01-LL02	118.03	115.30	114.95	
PL.27568	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.09	7.08 LL01-LL02	118.03	115.29	114.94	
PL.27652	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.07	7.08 LL01-LL02	118.05	115.31	114.96	
PL.27653	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	7.08 LL01-LL02	118.04	115.29	114.94	
PL.2810	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	7.17 LL01-LL02	119.54	117.30	117.02	
PL.2817	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.10	7.26 LL01-LL02	121.00	119.25	119.03	
PL.2823	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.08	7.17 LL01-LL02	119.55	117.31	117.02	
PL.30971	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.08	7.08 LL01-LL02	118.04	115.30	114.95	
PL.30972	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	7.08 LL01-LL02	118.03	115.30	114.95	
PL.31883	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.00	7.10 LL01-LL02	118.31	115.66	115.32	
PL.39235	SIDEVIEW	SIDEVIEW3	ABC	4ACSR	0.13	7.23 LL01-LL02	120.50	118.57	118.33	
PL.39316	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.20 LL01-LL02	120.07	117.97	117.71	
PL.39317	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.20 LL01-LL02	120.07	117.97	117.70	
PL.39318	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.20 LL01-LL02	120.07	117.97	117.70	
PL.39319	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.20 LL01-LL02	120.07	117.96	117.70	
PL.39320	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.20 LL01-LL02	120.08	117.98	117.71	
PL.39321	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.20 LL01-LL02	120.08	117.97	117.71	
PL.39623	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.17	7.08 LL01-LL02	118.03	115.30	114.95	
PL.39626	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.00	7.08 LL01-LL02	118.03	115.30	114.95	
PL.39627	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	7.08 LL01-LL02	118.03	115.30	114.95	
PL.39797	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.02	7.23 LL01-LL02	120.46	118.51	118.26	
PL.39798	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.02	7.23 LL01-LL02	120.45	118.50	118.26	
PL.39856	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.00	7.09 LL01-LL02	118.25	115.58	115.24	
PL.39857	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	7.09 LL01-LL02	118.11	115.39	115.05	
PL.39858	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.07	7.08 LL01-LL02	118.08	115.34	115.00	
PL.40548	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	7.08 LL01-LL02	118.03	115.30	114.95	
PL.42567	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	7.12 LL01-LL02	118.68	116.15	115.82	
PL.42568	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.04	7.12 LL01-LL02	118.68	116.14	115.82	
PL.42780	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.01	7.12 LL01-LL02	118.62	116.07	115.74	
PL.42781	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.05	7.12 LL01-LL02	118.62	116.06	115.74	
PL.42784	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.17	7.22 LL01-LL02	120.39	118.42	118.17	
PL.42787	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.00	7.11 LL01-LL02	118.58	116.01	115.69	
PL.42788	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.03	7.11 LL01-LL02	118.58	116.01	115.69	
PL.42789	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.00	7.11 LL01-LL02	118.58	116.01	115.69	
PL.42790	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.05	7.11 LL01-LL02	118.58	116.01	115.69	
PL.42791	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.14	7.22 LL01-LL02	120.37	118.39	118.14	
PL.42793	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.02	7.22 LL01-LL02	120.37	118.39	118.14	
PL.42797	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.10	7.22 LL01-LL02	120.34	118.35	118.10	

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.42799	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.04	7.22	LL01-LL02	120.36	118.38	118.13
PL.42800	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.05	7.22	LL01-LL02	120.35	118.37	118.12
PL.42808	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.02	7.11	LL01-LL02	118.55	115.97	115.64
PL.42811	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.03	7.22	LL01-LL02	120.33	118.34	118.09
PL.42812	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.01	7.22	LL01-LL02	120.33	118.34	118.09
PL.42816	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.05	7.11	LL01-LL02	118.47	115.87	115.54
PL.42817	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.00	7.11	LL01-LL02	118.47	115.87	115.54
PL.42818	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.09	7.22	LL01-LL02	120.30	118.30	118.05
PL.42825	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	7.11	LL01-LL02	118.45	115.84	115.51
PL.42826	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.21	7.11	LL01-LL02	118.45	115.84	115.51
PL.42831	SIDEVIEW	SIDEVIEW3	B	1/0EPRJCN	0.01	7.11	LL01-LL02	118.42	115.80	115.47
PL.42832	SIDEVIEW	SIDEVIEW3	B	1/0EPRJCN	0.05	7.11	LL01-LL02	118.42	115.80	115.47
PL.42834	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.03	7.22	LL01-LL02	120.28	118.27	118.02
PL.42841	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	7.10	LL01-LL02	118.41	115.79	115.46
PL.42842	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.04	7.10	LL01-LL02	118.41	115.79	115.45
PL.42843	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	7.11	LL01-LL02	118.42	115.80	115.47
PL.42844	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.03	7.10	LL01-LL02	118.42	115.80	115.46
PL.42846	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.11	7.22	LL01-LL02	120.27	118.26	118.00
PL.42850	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.02	7.22	LL01-LL02	120.27	118.25	118.00
PL.42852	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.03	7.22	LL01-LL02	120.26	118.25	118.00
PL.42854	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.08	7.22	LL01-LL02	120.26	118.24	117.99
PL.42855	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	7.10	LL01-LL02	118.34	115.70	115.36
PL.42856	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.02	7.10	LL01-LL02	118.32	115.67	115.33
PL.42859	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.06	7.09	LL01-LL02	118.25	115.57	115.24
PL.43244	SIDEVIEW	SIDEVIEW3	ABC	1/0EPRJCN	0.04	7.22	LL01-LL02	120.30	118.29	118.04
PL.43245	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.04	7.22	LL01-LL02	120.30	118.29	118.04
PL.43246	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.09	7.22	LL01-LL02	120.28	118.28	118.02
PL.43775	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.03	7.23	LL01-LL02	120.49	118.55	118.30
PL.43776	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.04	7.23	LL01-LL02	120.48	118.54	118.29
PL.44223	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.04	7.23	LL01-LL02	120.47	118.53	118.28
PL.44224	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.07	7.23	LL01-LL02	120.46	118.51	118.27
PL.45444	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.05	7.22	LL01-LL02	120.32	118.33	118.08
PL.45445	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.04	7.22	LL01-LL02	120.32	118.32	118.07
PL.6417	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	7.10	LL01-LL02	118.41	115.79	115.45
PL.6418	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.08	7.09	LL01-LL02	118.25	115.58	115.24
PL.6419	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.09	7.08	LL01-LL02	118.06	115.33	114.98
PL.6440	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.20	LL01-LL02	120.08	117.98	117.71
PL.6505	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.07	7.10	LL01-LL02	118.42	115.79	115.46
PL.7127	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.08	7.25	LL01-LL02	120.86	119.05	118.82

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.7129	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.06	7.23	LL01-LL02	120.49	118.56	118.31
PL.7131	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.04	7.17	LL01-LL02	119.55	117.31	117.03
PL.12069	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.01	7.21	LL03-LL04	120.24	118.20	117.94
PL.12070	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.21	LL03-LL04	120.23	118.19	117.93
PL.12073	SIDEVIEW	SIDEVIEW3	A	336ACSR	0.00	7.21	LL03-LL04	120.24	118.20	117.94
PL.14333	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.21	LL03-LL04	120.13	118.04	117.78
PL.17471	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.04	7.21	LL03-LL04	120.14	118.06	117.80
PL.18686	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.04	7.21	LL03-LL04	120.23	118.18	117.92
PL.19819	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.21	LL03-LL04	120.15	118.08	117.82
PL.20050	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.04	7.22	LL03-LL04	120.28	118.25	117.99
PL.27860	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.21	LL03-LL04	120.12	118.03	117.77
PL.27861	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.07	7.21	LL03-LL04	120.11	118.01	117.75
PL.33741	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.21	LL03-LL04	120.21	118.15	117.89
PL.33742	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.06	7.21	LL03-LL04	120.21	118.16	117.90
PL.33923	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.03	7.21	LL03-LL04	120.23	118.18	117.92
PL.39307	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.00	7.21	LL03-LL04	120.17	118.10	117.84
PL.39308	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.03	7.21	LL03-LL04	120.17	118.10	117.84
PL.39309	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.21	LL03-LL04	120.15	118.08	117.82
PL.39310	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.21	LL03-LL04	120.15	118.08	117.82
PL.39311	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.21	LL03-LL04	120.13	118.04	117.78
PL.39313	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.21	LL03-LL04	120.13	118.04	117.78
PL.39314	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.21	LL03-LL04	120.13	118.04	117.78
PL.39315	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.21	LL03-LL04	120.13	118.04	117.78
PL.39604	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.01	7.22	LL03-LL04	120.28	118.25	117.99
PL.39605	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.22	LL03-LL04	120.28	118.25	117.99
PL.42565	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.21	LL03-LL04	120.23	118.17	117.92
PL.42566	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.19	7.21	LL03-LL04	120.21	118.16	117.90
PL.42823	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.22	LL03-LL04	120.27	118.24	117.98
PL.42838	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.11	7.21	LL03-LL04	120.17	118.10	117.84
PL.42839	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.01	7.21	LL03-LL04	120.24	118.20	117.94
PL.42840	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.06	7.21	LL03-LL04	120.22	118.16	117.90
PL.42848	SIDEVIEW	SIDEVIEW3	A	336ACSR	0.02	7.21	LL03-LL04	120.24	118.20	117.94
PL.42849	SIDEVIEW	SIDEVIEW3	A	336ACSR	0.00	7.21	LL03-LL04	120.24	118.20	117.94
PL.45607	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.11	7.21	LL03-LL04	120.21	118.16	117.90
PL.45608	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.21	7.21	LL03-LL04	120.21	118.16	117.90
PL.6437	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.21	LL03-LL04	120.14	118.06	117.80
PL.10192	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.08	7.37	LL01-LL02	122.91	121.80	121.66
PL.10193	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.18	7.39	LL01-LL02	123.09	122.05	121.92
PL.10194	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.14	7.38	LL01-LL02	123.01	121.95	121.81

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.10195	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.11	7.38	LL01-LL02	122.95	121.86	121.72
PL.24932	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.04	7.37	LL01-LL02	122.87	121.74	121.60
PL.24933	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.02	7.37	LL01-LL02	122.85	121.73	121.58
PL.7155	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.03	7.37	LL01-LL02	122.89	121.77	121.63
PL.9940	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.01	7.37	LL01-LL02	122.85	121.72	121.58
PL.10502	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.31	7.21	LL03-LL04	120.24	118.12	117.85
PL.10503	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.57	7.21	LL03-LL04	120.18	118.04	117.77
PL.10774	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.24	7.21	LL03-LL04	120.18	118.04	117.77
PL.19207	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.21	LL03-LL04	120.20	118.07	117.80
PL.19268	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.07	7.21	LL03-LL04	120.20	118.07	117.80
PL.20443	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.02	7.22	LL03-LL04	120.32	118.18	117.91
PL.20444	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.22	7.22	LL03-LL04	120.32	118.18	117.90
PL.23484	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.07	7.21	LL03-LL04	120.18	118.04	117.77
PL.23485	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.14	7.21	LL03-LL04	120.17	118.03	117.76
PL.23486	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.21	LL03-LL04	120.18	118.04	117.77
PL.27673	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.21	LL03-LL04	120.23	118.11	117.84
PL.27674	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.21	LL03-LL04	120.22	118.10	117.83
PL.3275	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.15	7.22	LL03-LL04	120.32	118.18	117.90
PL.7153	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.05	7.39	LL03-LL04	123.19	122.20	122.07
PL.7185	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.21	LL03-LL04	120.20	118.07	117.80
PL.7186	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.21	LL03-LL04	120.20	118.07	117.80
PL.7187	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.21	LL03-LL04	120.23	118.11	117.84
PL.7188	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.16	7.21	LL03-LL04	120.20	118.08	117.81
PL.7189	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.09	7.21	LL03-LL04	120.21	118.09	117.82
PL.7191	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.21	LL03-LL04	120.21	118.08	117.81
PL.13039	STANTON	STANTON3	C	4ACSR	0.04	7.11	LL01-LL02	118.54	117.75	117.66
PL.13040	STANTON	STANTON3	C	4ACSR	0.07	7.10	LL01-LL02	118.37	117.55	117.45
PL.13041	STANTON	STANTON3	C	4ACSR	0.10	7.10	LL01-LL02	118.32	117.50	117.39
PL.13042	STANTON	STANTON3	C	4ACSR	0.01	7.10	LL01-LL02	118.32	117.49	117.39
PL.13043	STANTON	STANTON3	C	4ACSR	0.16	7.10	LL01-LL02	118.34	117.51	117.41
PL.13044	STANTON	STANTON3	C	4ACSR	0.06	7.10	LL01-LL02	118.33	117.51	117.41
PL.13046	STANTON	STANTON3	C	4ACSR	0.18	7.10	LL01-LL02	118.31	117.48	117.38
PL.13831	STANTON	STANTON3	C	4ACSR	0.12	7.12	LL01-LL02	118.64	117.87	117.78
PL.13832	STANTON	STANTON3	C	4ACSR	0.09	7.11	LL01-LL02	118.57	117.79	117.69
PL.13833	STANTON	STANTON3	C	4ACSR	0.05	7.11	LL01-LL02	118.46	117.66	117.56
PL.13834	STANTON	STANTON3	C	4ACSR	0.06	7.11	LL01-LL02	118.43	117.62	117.52
PL.13835	STANTON	STANTON3	C	4ACSR	0.00	7.11	LL01-LL02	118.55	117.76	117.67
PL.13836	STANTON	STANTON3	C	4ACSR	0.15	7.09	LL01-LL02	118.20	117.35	117.25
PL.13838	STANTON	STANTON3	C	4ACSR	0.06	7.09	LL01-LL02	118.16	117.30	117.20

Summer_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name							JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.13839	STANTON	STANTON3	C	4ACSR	0.13	7.11	LL01-LL02	118.47	117.67	117.57
PL.13842	STANTON	STANTON3	C	4ACSR	0.17	7.11	LL01-LL02	118.43	117.63	117.53
PL.16713	STANTON	STANTON3	C	4ACSR	0.01	7.11	LL01-LL02	118.48	117.69	117.59
PL.16714	STANTON	STANTON3	C	4ACSR	0.29	7.11	LL01-LL02	118.48	117.69	117.59
PL.16755	STANTON	STANTON3	C	4ACSR	0.21	7.11	LL01-LL02	118.48	117.69	117.59
PL.16756	STANTON	STANTON3	C	4ACSR	0.01	7.11	LL01-LL02	118.48	117.69	117.59
PL.16864	STANTON	STANTON3	C	4ACSR	0.03	7.12	LL01-LL02	118.64	117.87	117.78
PL.17887	STANTON	STANTON3	C	4ACSR	0.01	7.10	LL01-LL02	118.35	117.53	117.43
PL.18339	STANTON	STANTON3	C	4ACSR	0.08	7.10	LL01-LL02	118.35	117.53	117.43
PL.18470	STANTON	STANTON3	C	4ACSR	0.11	7.10	LL01-LL02	118.31	117.48	117.38
PL.19563	STANTON	STANTON3	C	4ACSR	0.02	7.11	LL01-LL02	118.55	117.76	117.67
PL.19564	STANTON	STANTON3	C	4ACSR	0.02	7.11	LL01-LL02	118.55	117.76	117.67
PL.240	STANTON	STANTON3	C	4ACSR	0.05	7.10	LL01-LL02	118.40	117.59	117.49
PL.25247	STANTON	STANTON3	C	4ACSR	0.10	7.11	LL01-LL02	118.57	117.78	117.69
PL.25248	STANTON	STANTON3	C	4ACSR	0.05	7.12	LL01-LL02	118.73	117.98	117.88
PL.25268	STANTON	STANTON3	C	4ACSR	0.10	7.11	LL01-LL02	118.44	117.63	117.53
PL.25302	STANTON	STANTON3	C	4ACSR	0.09	7.10	LL01-LL02	118.26	117.42	117.32
PL.26693	STANTON	STANTON3	C	4ACSR	0.10	7.09	LL01-LL02	118.17	117.32	117.21
PL.27101	STANTON	STANTON3	C	4ACSR	0.01	7.09	LL01-LL02	118.18	117.32	117.22
PL.27179	STANTON	STANTON3	C	4ACSR	0.01	7.11	LL01-LL02	118.57	117.79	117.69
PL.27180	STANTON	STANTON3	C	4ACSR	0.01	7.11	LL01-LL02	118.57	117.79	117.69
PL.27181	STANTON	STANTON3	C	4ACSR	0.01	7.11	LL01-LL02	118.57	117.79	117.69
PL.27182	STANTON	STANTON3	C	4ACSR	0.04	7.11	LL01-LL02	118.57	117.78	117.69
PL.27183	STANTON	STANTON3	C	4ACSR	0.01	7.11	LL01-LL02	118.56	117.78	117.68
PL.27184	STANTON	STANTON3	C	4ACSR	0.15	7.11	LL01-LL02	118.49	117.69	117.59
PL.27185	STANTON	STANTON3	C	4ACSR	0.01	7.12	LL01-LL02	118.64	117.87	117.78
PL.30865	STANTON	STANTON3	C	4ACSR	0.00	7.11	LL01-LL02	118.46	117.66	117.56
PL.30866	STANTON	STANTON3	C	4ACSR	0.04	7.11	LL01-LL02	118.46	117.66	117.56
PL.30877	STANTON	STANTON3	C	4ACSR	0.02	7.10	LL01-LL02	118.25	117.42	117.31
PL.30878	STANTON	STANTON3	C	4ACSR	0.00	7.10	LL01-LL02	118.25	117.42	117.31
PL.30883	STANTON	STANTON3	C	4ACSR	0.00	7.10	LL01-LL02	118.32	117.49	117.39
PL.30884	STANTON	STANTON3	C	4ACSR	0.25	7.10	LL01-LL02	118.31	117.48	117.38
PL.30885	STANTON	STANTON3	C	4ACSR	0.00	7.10	LL01-LL02	118.37	117.55	117.45
PL.30886	STANTON	STANTON3	C	4ACSR	0.04	7.10	LL01-LL02	118.35	117.53	117.43
PL.30887	STANTON	STANTON3	C	4ACSR	0.00	7.10	LL01-LL02	118.31	117.48	117.38
PL.30888	STANTON	STANTON3	C	4ACSR	0.08	7.10	LL01-LL02	118.31	117.48	117.38
PL.30889	STANTON	STANTON3	C	4ACSR	0.08	7.09	LL01-LL02	118.23	117.39	117.29
PL.30890	STANTON	STANTON3	C	4ACSR	0.00	7.09	LL01-LL02	118.23	117.39	117.29
PL.30891	STANTON	STANTON3	C	4ACSR	0.00	7.09	LL01-LL02	118.20	117.35	117.25

Summer_Low_Voltage

Section					Length	Primary		EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name	Feeder Name	Phasing	Equipment	(Miles)	kV (Bal)	Timing	JUL05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.30892	STANTON	STANTON3	C	4ACSR	0.07	7.09	LL01-LL02	118.19	117.34	117.24
PL.30893	STANTON	STANTON3	C	4ACSR	0.52	7.09	LL01-LL02	118.16	117.31	117.20
PL.30894	STANTON	STANTON3	C	4ACSR	0.00	7.09	LL01-LL02	118.16	117.31	117.20
PL.31030	STANTON	STANTON3	C	4ACSR	0.09	7.11	LL01-LL02	118.55	117.76	117.67
PL.31031	STANTON	STANTON3	C	4ACSR	0.04	7.11	LL01-LL02	118.43	117.63	117.53
PL.35035	STANTON	STANTON3	C	2ACSR	0.13	7.09	LL01-LL02	118.15	117.29	117.19
PL.36491	STANTON	STANTON3	C	4ACSR	0.02	7.11	LL01-LL02	118.44	117.63	117.53
PL.36492	STANTON	STANTON3	C	4ACSR	0.03	7.11	LL01-LL02	118.43	117.63	117.53
PL.44168	STANTON	STANTON3	C	4ACSR	0.25	7.11	LL01-LL02	118.43	117.63	117.53
PL.44169	STANTON	STANTON3	C	4ACSR	0.06	7.11	LL01-LL02	118.43	117.63	117.53
PL.44225	STANTON	STANTON3	C	4ACSR	0.02	7.10	LL01-LL02	118.30	117.48	117.37
PL.44226	STANTON	STANTON3	C	4ACSR	0.05	7.10	LL01-LL02	118.29	117.46	117.35
PL.44228	STANTON	STANTON3	C	4ACSR	0.01	7.10	LL01-LL02	118.25	117.42	117.31
PL.44229	STANTON	STANTON3	C	4ACSR	0.06	7.10	LL01-LL02	118.25	117.41	117.31
PL.44230	STANTON	STANTON3	C	2ACSR	0.01	7.10	LL01-LL02	118.31	117.48	117.38
PL.44231	STANTON	STANTON3	C	2ACSR	0.07	7.10	LL01-LL02	118.31	117.48	117.38
PL.4475	STANTON	STANTON3	C	4ACSR	0.06	7.11	LL01-LL02	118.56	117.78	117.68
PL.4476	STANTON	STANTON3	C	4ACSR	0.05	7.11	LL01-LL02	118.57	117.78	117.69
PL.45851	STANTON	STANTON3	C	4ACSR	0.04	7.11	LL01-LL02	118.46	117.66	117.56
PL.45852	STANTON	STANTON3	C	4ACSR	0.05	7.11	LL01-LL02	118.46	117.65	117.56
PL.4702	STANTON	STANTON3	C	4ACSR	0.03	7.11	LL01-LL02	118.46	117.66	117.56
PL.4706	STANTON	STANTON3	C	4ACSR	0.01	7.11	LL01-LL02	118.48	117.69	117.59
PL.4711	STANTON	STANTON3	C	4ACSR	0.13	7.11	LL01-LL02	118.46	117.66	117.56
PL.4712	STANTON	STANTON3	C	4ACSR	0.09	7.11	LL01-LL02	118.46	117.66	117.56
PL.5269	STANTON	STANTON3	C	4ACSR	0.10	7.10	LL01-LL02	118.34	117.51	117.41
PL.5270	STANTON	STANTON3	C	4ACSR	0.04	7.10	LL01-LL02	118.32	117.50	117.39
PL.5271	STANTON	STANTON3	C	4ACSR	0.06	7.10	LL01-LL02	118.32	117.50	117.39
PL.5272	STANTON	STANTON3	C	4ACSR	0.04	7.10	LL01-LL02	118.32	117.49	117.39
PL.5273	STANTON	STANTON3	C	4ACSR	0.17	7.10	LL01-LL02	118.34	117.51	117.41
PL.5279	STANTON	STANTON3	C	4ACSR	0.13	7.09	LL01-LL02	118.15	117.30	117.19
PL.5280	STANTON	STANTON3	C	4ACSR	0.07	7.09	LL01-LL02	118.15	117.29	117.19
PL.5281	STANTON	STANTON3	C	4ACSR	0.09	7.09	LL01-LL02	118.15	117.29	117.19
PL.5282	STANTON	STANTON3	C	4ACSR	0.11	7.09	LL01-LL02	118.15	117.29	117.19
PL.5283	STANTON	STANTON3	C	4ACSR	0.03	7.09	LL01-LL02	118.15	117.29	117.19
PL.5284	STANTON	STANTON3	C	4ACSR	0.08	7.09	LL01-LL02	118.16	117.30	117.20
PL.5285	STANTON	STANTON3	C	4ACSR	0.09	7.09	LL01-LL02	118.15	117.29	117.19
PL.5287	STANTON	STANTON3	C	4ACSR	0.06	7.09	LL01-LL02	118.19	117.34	117.23
PL.5288	STANTON	STANTON3	C	4ACSR	0.15	7.09	LL01-LL02	118.18	117.33	117.22
PL.5289	STANTON	STANTON3	C	4ACSR	0.07	7.09	LL01-LL02	118.17	117.31	117.21

Summer_Low_Voltage

Section					Length	Primary		EXISTING	LL2 JUL05	LL4 JUL05
Name	Source Name	Feeder Name	Phasing	Equipment	(Miles)	kV (Bal)	Timing	JUL05 Base	Base Volts	Base Volts
								Volts (Bal)	(Bal)	(Bal)
PL.5290	STANTON	STANTON3	C	4ACSR	0.07	7.09	LL01-LL02	118.16	117.31	117.21
PL.5291	STANTON	STANTON3	C	4ACSR	0.05	7.10	LL01-LL02	118.25	117.42	117.31
PL.5292	STANTON	STANTON3	C	4ACSR	0.08	7.09	LL01-LL02	118.23	117.39	117.28
PL.5294	STANTON	STANTON3	C	4ACSR	0.03	7.09	LL01-LL02	118.23	117.39	117.29
PL.5295	STANTON	STANTON3	C	4ACSR	0.05	7.10	LL01-LL02	118.37	117.55	117.45
PL.5297	STANTON	STANTON3	C	4ACSR	0.03	7.10	LL01-LL02	118.35	117.53	117.43
PL.8228	STANTON	STANTON3	C	4ACSR	0.09	7.11	LL01-LL02	118.45	117.64	117.54
PL.8231	STANTON	STANTON3	C	4ACSR	0.11	7.09	LL01-LL02	118.15	117.30	117.19
PL.8234	STANTON	STANTON3	C	4ACSR	0.12	7.11	LL01-LL02	118.51	117.72	117.62
PL.8235	STANTON	STANTON3	C	4ACSR	0.16	7.11	LL01-LL02	118.51	117.72	117.62
PL.8236	STANTON	STANTON3	C	4ACSR	0.02	7.11	LL01-LL02	118.55	117.76	117.67
PL.8238	STANTON	STANTON3	C	4ACSR	0.06	7.09	LL01-LL02	118.15	117.30	117.19
PL.8239	STANTON	STANTON3	C	4ACSR	0.21	7.09	LL01-LL02	118.15	117.30	117.19
PL.8250	STANTON	STANTON3	C	4ACSR	0.07	7.11	LL01-LL02	118.53	117.74	117.64
PL.8479	STANTON	STANTON3	C	4ACSR	0.09	7.10	LL01-LL02	118.35	117.53	117.43
PL.8480	STANTON	STANTON3	C	4ACSR	0.03	7.10	LL01-LL02	118.35	117.53	117.43
PL.16865	STANTON	STANTON3	C	4ACSR	0.01	7.13	LL03-LL04	118.77	118.02	117.92
PL.25249	STANTON	STANTON3	C	4ACSR	0.14	7.13	LL03-LL04	118.77	118.02	117.92
PL.32830	STANTON	STANTON3	C	4ACSR	0.05	7.13	LL03-LL04	118.76	118.02	117.92
PL.32831	STANTON	STANTON3	C	4ACSR	0.03	7.13	LL03-LL04	118.76	118.02	117.92

Winter_Single_Phase>Loading

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	EXISTING	EXISTING
								JAN05 Through Amps (Bal)	LL2 JAN05 Through Amps (Bal)	LL4 JAN05 Through Amps (Bal)
PL.12610	CLAY CITY	CLAYCTY2	A	4ACSR	0.01	7.41	LL01-LL02	49.38	61.19	63.56
PL.12611	CLAY CITY	CLAYCTY2	A	1/0ACSR	0.02	7.41	LL01-LL02	47.89	59.34	61.64
PL.12612	CLAY CITY	CLAYCTY2	A	1/0ACSR	0.08	7.40	LL01-LL02	47.72	59.13	61.42
PL.15495	CLAY CITY	CLAYCTY2	A	4ACSR	0.01	7.42	LL01-LL02	50.40	62.45	64.86
PL.15496	CLAY CITY	CLAYCTY2	A	1/0ACSR	0.11	7.41	LL01-LL02	50.40	62.45	64.86
PL.15497	CLAY CITY	CLAYCTY2	A	4ACSR	0.01	7.42	LL01-LL02	52.38	64.90	67.41
PL.15498	CLAY CITY	CLAYCTY2	A	1/0ACSR	0.04	7.42	LL01-LL02	52.38	64.90	67.41
PL.7451	CLAY CITY	CLAYCTY2	A	1/0ACSR	0.04	7.42	LL01-LL02	51.42	63.71	66.17
PL.12945	CLAY CITY	CLAYCTY4	A	4ACSR	0.04	7.49	LL01-LL02	46.76	57.86	60.08
PL.12946	CLAY CITY	CLAYCTY4	A	4ACSR	0.02	7.49	LL01-LL02	46.03	56.96	59.15
PL.16847	CLAY CITY	CLAYCTY4	A	4ACSR	0.01	7.48	LL01-LL02	45.33	56.09	58.24
PL.27646	CLAY CITY	CLAYCTY4	A	4ACSR	0.07	7.48	LL01-LL02	45.33	56.09	58.24
PL.42295	CLAY CITY	CLAYCTY4	A	4ACSR	0.01	7.50	LL01-LL02	49.11	60.76	63.09
PL.42296	CLAY CITY	CLAYCTY4	A	4ACSR	0.05	7.50	LL01-LL02	49.11	60.76	63.09
PL.4494	CLAY CITY	CLAYCTY4	A	4ACSR	0.04	7.49	LL01-LL02	48.64	60.18	62.49
PL.12947	CLAY CITY	CLAYCTY4	A	4ACSR	0.07	7.46	LL03-LL04	43.83	54.25	56.33
PL.27647	CLAY CITY	CLAYCTY4	A	4ACSR	0.06	7.47	LL03-LL04	43.83	54.25	56.33
PL.12784	HARDWICH'S CREEK	OCD42	A	4ACSR	0.01	7.45	LL00	60.29	78.32	81.22
PL.12785	HARDWICH'S CREEK	OCD42	A	4ACSR	0.06	7.44	LL00	58.85	76.45	79.29
PL.12786	HARDWICH'S CREEK	OCD42	A	4ACSR	0.07	7.43	LL00	56.25	73.10	75.82
PL.384	HARDWICH'S CREEK	OCD42	A	4ACSR	0.05	7.47	LL00	60.29	78.32	81.22
PL.391	HARDWICH'S CREEK	OCD42	A	4ACSR	0.09	7.45	LL00	60.29	78.32	81.22
PL.12787	HARDWICH'S CREEK	OCD42	A	4ACSR	0.00	7.40	LL01-LL02	52.13	67.78	70.30
PL.12788	HARDWICH'S CREEK	OCD42	A	4ACSR	0.11	7.39	LL01-LL02	50.61	65.81	68.27
PL.12863	HARDWICH'S CREEK	OCD42	C	4ACSR	0.09	7.16	LL01-LL02	46.20	60.96	63.36
PL.12864	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.13	LL01-LL02	44.06	58.16	60.46
PL.18680	HARDWICH'S CREEK	OCD42	A	4ACSR	0.02	7.41	LL01-LL02	53.30	69.29	71.87
PL.18681	HARDWICH'S CREEK	OCD42	A	4ACSR	0.09	7.40	LL01-LL02	52.66	68.46	71.01
PL.27961	HARDWICH'S CREEK	OCD42	A	4ACSR	0.07	7.42	LL01-LL02	54.79	71.21	73.87
PL.27962	HARDWICH'S CREEK	OCD42	A	4ACSR	0.02	7.42	LL01-LL02	53.93	70.10	72.71
PL.38992	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.18	LL01-LL02	47.18	62.24	64.69
PL.44162	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.18	LL01-LL02	47.18	62.24	64.69
PL.44163	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.17	LL01-LL02	47.18	62.24	64.69
PL.44344	HARDWICH'S CREEK	OCD42	C	4ACSR	0.28	7.18	LL01-LL02	47.23	62.31	64.77
PL.44348	HARDWICH'S CREEK	OCD42	C	4ACSR	0.22	7.22	LL01-LL02	47.43	62.58	65.04
PL.8222	HARDWICH'S CREEK	OCD42	C	4ACSR	0.19	7.14	LL01-LL02	44.67	58.96	61.28
PL.8265	HARDWICH'S CREEK	OCD42	A	4ACSR	0.05	7.38	LL01-LL02	50.41	65.55	68.00
PL.8272	HARDWICH'S CREEK	OCD42	A	4ACSR	0.06	7.38	LL01-LL02	43.08	56.07	58.16

Winter_Single_Phase_Loading

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
								Through Amps (Bal)	Through Amps (Bal)	Through Amps (Bal)
PL.12789	HARDWICH'S CREEK	OCD42	A	4ACSR	0.04	7.37	LL03-LL04	43.02	55.98	58.08
PL.12865	HARDWICH'S CREEK	OCD42	C	4ACSR	0.23	7.11	LL03-LL04	40.93	54.04	56.18
PL.15252	HARDWICH'S CREEK	OCD42	A	4ACSR	0.03	7.37	LL03-LL04	42.42	55.21	57.27
PL.15253	HARDWICH'S CREEK	OCD42	A	4ACSR	0.01	7.37	LL03-LL04	42.42	55.21	57.27
PL.28959	HIGH ROCK	HIGH ROCK	A	1/0ACSR	0.00	7.56	LL00	78.62	87.13	88.75
PL.32944	HIGH ROCK	HIGH ROCK	A	1/0ACSR	0.00	7.56	LL00	78.62	87.13	88.75
PL.32945	HIGH ROCK	HIGHROCK1	A	1/0ACSR	0.02	7.56	LL00	78.62	87.13	88.75
PL.46110	HIGH ROCK	HIGHROCK1	A	1/0ACSR	0.01	7.56	LL00	78.62	87.13	88.75
PL.46111	HIGH ROCK	HIGHROCK1	A	1/0ACSR	0.04	7.56	LL00	78.58	87.08	88.70
PL.20091	HINKSTON	HINKSTON3	A	4ACSR	0.26	15.03	LL03-LL04	41.64	47.07	57.56
PL.20218	HINKSTON	HINKSTON3	A	4ACSR	0.07	15.06	LL03-LL04	41.64	47.07	57.56
PL.24693	HINKSTON	HINKSTON3	A	4ACSR	0.07	14.91	LL03-LL04	41.54	46.75	57.19
PL.26363	HINKSTON	HINKSTON3	A	4ACSR	0.68	14.92	LL03-LL04	41.84	47.09	57.61
PL.26364	HINKSTON	HINKSTON3	A	4ACSR	0.01	14.92	LL03-LL04	41.84	47.09	57.61
PL.26365	HINKSTON	HINKSTON3	A	4ACSR	0.10	14.90	LL03-LL04	40.86	45.99	56.27
PL.29570	HINKSTON	HINKSTON3	A	1/0EPRJCN	0.64	15.00	LL03-LL04	41.64	47.07	57.56
PL.10857	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.04	14.83	LL01-LL02	43.12	57.29	59.52
PL.10858	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.07	14.85	LL01-LL02	45.05	59.84	62.17
PL.10859	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.08	14.84	LL01-LL02	44.38	58.95	61.25
PL.10860	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.31	14.87	LL01-LL02	46.36	61.57	63.97
PL.10861	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.09	14.86	LL01-LL02	45.96	61.04	63.42
PL.10862	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.28	14.91	LL01-LL02	46.54	61.82	64.23
PL.10863	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.07	14.96	LL01-LL02	46.63	61.93	64.34
PL.10864	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.15	15.00	LL01-LL02	51.48	68.32	70.98
PL.10865	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.07	14.99	LL01-LL02	49.58	65.81	68.37
PL.10870	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.03	15.04	LL01-LL02	52.77	70.01	72.73
PL.10871	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.12	15.02	LL01-LL02	52.23	69.31	72.00
PL.17015	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.01	14.96	LL01-LL02	46.54	61.82	64.23
PL.17016	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.11	14.94	LL01-LL02	46.54	61.82	64.23
PL.17017	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.20	14.96	LL01-LL02	49.12	65.21	67.75
PL.17018	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.01	14.96	LL01-LL02	49.12	65.21	67.75
PL.17027	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.08	15.05	LL01-LL02	52.98	70.30	73.03
PL.17028	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.02	15.04	LL01-LL02	52.98	70.30	73.03
PL.25637	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.04	14.83	LL01-LL02	42.76	56.81	59.03
PL.25638	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.02	14.84	LL01-LL02	44.38	58.95	61.25
PL.27689	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.03	14.86	LL01-LL02	45.34	60.22	62.57
PL.27690	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.01	14.86	LL01-LL02	45.34	60.22	62.57
PL.34502	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.00	15.07	LL01-LL02	53.46	70.92	73.67

Winter_Single_Phase_Loading

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
								Through Amps (Bal)	Through Amps (Bal)	Through Amps (Bal)
PL.34503	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.08	15.06	LL01-LL02	53.46	70.92	73.67
PL.7732	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.13	14.81	LL01-LL02	42.67	56.69	58.91
PL.7923	MILLER HUNT	MILLER HUNT2	C	4ACSR	0.02	15.02	LL01-LL02	52.23	69.31	72.00
PL.18757	MT. STERLING	MTSTRLG2	A	4ACSR	0.11	15.10	LL01-LL02	48.32	59.15	61.41
PL.28126	MT. STERLING	MTSTRLG2	A	4ACSR	0.02	14.93	LL01-LL02	48.95	60.08	62.42
PL.28127	MT. STERLING	MTSTRLG2	A	4ACSR	0.03	15.12	LL01-LL02	48.32	59.15	61.41
PL.15689	MT. STERLING	MTSTRLG2	A	4ACSR	0.12	15.09	LL03-LL04	44.85	54.91	57.01
PL.11609	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.74	LL01-LL02	48.37	59.73	62.11
PL.12440	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.77	LL01-LL02	50.01	61.74	64.20
PL.12441	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.20	14.75	LL01-LL02	50.01	61.74	64.20
PL.15744	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.23	14.63	LL01-LL02	46.74	57.72	60.02
PL.20160	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.31	14.66	LL01-LL02	47.23	58.33	60.66
PL.20161	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.66	LL01-LL02	46.74	57.72	60.02
PL.25827	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.26	14.55	LL01-LL02	46.00	56.81	59.08
PL.25828	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.54	LL01-LL02	45.42	56.10	58.34
PL.26021	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.69	LL01-LL02	47.78	59.00	61.35
PL.26025	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.59	LL01-LL02	46.34	57.23	59.52
PL.26026	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.11	14.61	LL01-LL02	46.71	57.69	59.99
PL.30955	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.63	LL01-LL02	46.74	57.72	60.02
PL.30956	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.62	LL01-LL02	46.74	57.72	60.02
PL.6656	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.22	14.72	LL01-LL02	48.37	59.73	62.11
PL.6657	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.59	LL01-LL02	46.34	57.23	59.52
PL.6658	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.58	LL01-LL02	46.00	56.81	59.08
PL.25602	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.52	LL03-LL04	44.13	54.50	56.68
PL.25829	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.53	LL03-LL04	44.40	54.84	57.03
PL.10394	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.44	LL01-LL02	53.61	67.41	70.65
PL.25357	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.40	7.24	LL01-LL02	48.77	61.39	64.34
PL.26764	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.38	LL01-LL02	53.61	67.41	70.65
PL.2956	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.08	7.37	LL01-LL02	53.48	67.25	70.47
PL.2958	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.15	7.34	LL01-LL02	53.48	67.24	70.47
PL.2959	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.09	7.36	LL01-LL02	53.48	67.25	70.47
PL.40914	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.20	LL01-LL02	48.77	61.39	64.34
PL.40915	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.21	LL01-LL02	48.77	61.39	64.34
PL.42912	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.32	7.29	LL01-LL02	52.41	65.92	69.08
PL.42914	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.34	LL01-LL02	52.41	65.92	69.08
PL.42915	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.00	7.34	LL01-LL02	52.41	65.92	69.08
PL.43701	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.32	7.39	LL01-LL02	53.61	67.41	70.65
PL.43702	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.43	LL01-LL02	53.61	67.41	70.65

Winter_Single_Phase_Loading

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING		
								Through Amps (Bal)	LL2 JAN05 Through Amps (Bal)	LL4 JAN05 Through Amps (Bal)
PL.9717	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.24	7.21	LL01-LL02	48.77	61.39	64.34
PL.10043	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.20	LL03-LL04	44.07	55.50	58.19
PL.10044	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.20	LL03-LL04	44.07	55.50	58.19
PL.25358	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.13	7.18	LL03-LL04	44.03	55.45	58.13
PL.8093	STANTON	STANTON3	B	4ACSR	0.06	7.48	LL03-LL04	38.21	53.12	56.26
PL.13902	STANTON	STANTON4	B	4ACSR	0.06	7.40	LL01-LL02	42.52	59.29	62.84
PL.13903	STANTON	STANTON4	B	4ACSR	0.03	7.41	LL01-LL02	43.38	60.48	64.10
PL.17519	STANTON	STANTON4	B	4ACSR	0.01	7.44	LL01-LL02	44.72	62.34	66.07
PL.17520	STANTON	STANTON4	B	4ACSR	0.18	7.42	LL01-LL02	44.72	62.34	66.07
PL.20939	STANTON	STANTON4	B	4ACSR	0.00	7.42	LL01-LL02	44.72	62.34	66.07
PL.20940	STANTON	STANTON4	B	4ACSR	0.02	7.41	LL01-LL02	43.80	61.07	64.72
PL.17231	TRAPP	TRAPP2	C	4ACSR	0.01	7.41	LL01-LL02	45.80	56.56	58.83
PL.17232	TRAPP	TRAPP2	C	4ACSR	0.10	7.40	LL01-LL02	45.80	56.56	58.83
PL.10876	TRAPP	TRAPP2	C	4ACSR	0.12	7.39	LL03-LL04	44.60	55.09	57.29
PL.29267	TREEHAVEN	TREEHAVEN4	C	1/0EPRJCN	0.04	7.54	LL01-LL02	47.21	58.06	60.61
PL.17588	UNION CITY	UNIONCITY2	B	4ACSR	0.41	14.84	LL00	70.16	94.98	100.63
PL.17664	UNION CITY	UNIONCITY2	B	4ACSR	0.04	14.78	LL00	61.98	83.93	88.93
PL.17665	UNION CITY	UNIONCITY2	B	4ACSR	0.01	14.77	LL00	61.98	83.93	88.93
PL.19019	UNION CITY	UNIONCITY2	B	4ACSR	0.08	14.81	LL00	67.94	91.98	97.45
PL.19020	UNION CITY	UNIONCITY2	B	4ACSR	0.05	14.80	LL00	67.14	90.90	96.31
PL.19116	UNION CITY	UNIONCITY2	B	4ACSR	0.07	14.82	LL00	69.17	93.64	99.21
PL.27810	UNION CITY	UNIONCITY2	B	4ACSR	0.03	14.84	LL00	69.51	94.11	99.70
PL.27811	UNION CITY	UNIONCITY2	B	4ACSR	0.03	14.83	LL00	69.50	94.09	99.68
PL.37583	UNION CITY	UNIONCITY2	B	4ACSR	0.01	14.93	LL00	70.16	94.98	100.63
PL.37584	UNION CITY	UNIONCITY2	B	4ACSR	0.07	14.92	LL00	70.16	94.98	100.63
PL.9032	UNION CITY	UNIONCITY2	B	4ACSR	0.10	14.78	LL00	67.14	90.90	96.31
PL.17668	UNION CITY	UNIONCITY2	B	4ACSR	0.01	14.77	LL01-LL02	44.45	60.24	63.84
PL.17669	UNION CITY	UNIONCITY2	B	4ACSR	0.09	14.76	LL01-LL02	44.45	60.24	63.84
PL.19264	UNION CITY	UNIONCITY2	B	4ACSR	0.07	14.73	LL01-LL02	42.42	57.50	60.94
PL.19600	UNION CITY	UNIONCITY2	B	4ACSR	0.05	14.72	LL01-LL02	42.42	57.50	60.94
PL.19601	UNION CITY	UNIONCITY2	B	4ACSR	0.08	14.71	LL01-LL02	41.99	56.92	60.32
PL.9038	UNION CITY	UNIONCITY2	B	4ACSR	0.00	14.77	LL01-LL02	44.45	60.24	63.84
PL.9049	UNION CITY	UNIONCITY2	B	4ACSR	0.07	14.75	LL01-LL02	42.98	58.25	61.73
PL.9050	UNION CITY	UNIONCITY2	B	4ACSR	0.18	14.73	LL01-LL02	42.96	58.22	61.70
PL.17580	UNION CITY	UNIONCITY2	B	4ACSR	0.28	14.66	LL03-LL04	39.06	52.94	56.10
PL.27432	UNION CITY	UNIONCITY2	B	4ACSR	0.06	14.71	LL03-LL04	39.29	53.26	56.44
PL.27433	UNION CITY	UNIONCITY2	B	4ACSR	0.15	14.69	LL03-LL04	39.29	53.26	56.44

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Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING JAN05 % Capacity (Bal)	LL2 JAN05 % Capacity (Bal)	LL4 JAN05 % Capacity (Bal)
PL.29126	CLAY CITY	CLAY CITY	ABC	4/0ACSR	0.00	7.56	LL03-LL04	33	39	40
PL.32840	CLAY CITY	CLAY CITY	ABC	4/0ACSR	0.00	7.56	LL03-LL04	33	39	40
PL.10953	CLAY CITY	CLAYCTY1	ABC	4/0ACSR	0.05	7.53	LL03-LL04	33	39	40
PL.32841	CLAY CITY	CLAYCTY1	ABC	4/0ACSR	0.28	7.54	LL03-LL04	33	39	40
PL.18245	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.04	7.54	LL00	50	64	67
PL.18246	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.06	7.53	LL00	50	64	67
PL.19754	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.06	7.48	LL00	50	64	66
PL.19755	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.02	7.48	LL00	50	63	66
PL.9732	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.10	7.46	LL00	49	63	66
PL.9734	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.14	7.50	LL00	50	64	67
PL.19707	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.09	7.37	LL01-LL02	46	59	62
PL.19708	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.05	7.36	LL01-LL02	46	59	61
PL.20745	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.25	7.27	LL01-LL02	42	53	55
PL.27284	FRENCHBURG	FRNBURG1	ABC	4ACSR	0.00	7.34	LL01-LL02	41	53	55
PL.27286	FRENCHBURG	FRNBURG1	ABC	4ACSR	0.00	7.34	LL01-LL02	41	53	55
PL.28134	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.06	7.55	LL01-LL02	48	61	63
PL.28168	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.09	7.32	LL01-LL02	42	53	55
PL.33045	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.12	7.12	LL01-LL02	39	50	52
PL.33046	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.03	7.12	LL01-LL02	39	49	51
PL.37743	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.02	7.42	LL01-LL02	49	62	65
PL.37744	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.07	7.40	LL01-LL02	49	62	65
PL.39222	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.14	7.09	LL01-LL02	38	49	51
PL.40650	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.05	7.54	LL01-LL02	48	60	63
PL.40651	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.05	7.53	LL01-LL02	48	60	63
PL.40692	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.16	7.46	LL01-LL02	47	60	62
PL.40693	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.04	7.45	LL01-LL02	47	60	62
PL.40908	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.03	7.22	LL01-LL02	40	51	53
PL.40909	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.10	7.20	LL01-LL02	40	51	53
PL.41719	FRENCHBURG	FRNBURG1	ABC	4ACSR	0.01	7.11	LL01-LL02	38	49	51
PL.41720	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.02	7.11	LL01-LL02	38	49	51
PL.43739	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.07	7.35	LL01-LL02	45	58	60
PL.43740	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.05	7.34	LL01-LL02	45	58	60
PL.4883	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.09	7.40	LL01-LL02	47	59	62
PL.4884	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.04	7.44	LL01-LL02	47	60	62
PL.4885	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.13	7.41	LL01-LL02	47	59	62
PL.7024	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.05	7.15	LL01-LL02	39	50	52
PL.9474	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.04	7.06	LL01-LL02	37	48	50
PL.9475	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.10	7.04	LL01-LL02	37	47	49
PL.9476	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.07	7.07	LL01-LL02	38	49	51

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Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING JAN05 % Capacity (Bal)	LL2 JAN05 % Capacity (Bal)	LL4 JAN05 % Capacity (Bal)
PL.9477	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.06	7.06	LL01-LL02	38	48	50
PL.9478	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.18	7.17	LL01-LL02	40	50	52
PL.9479	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.02	7.16	LL01-LL02	39	50	52
PL.9718	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.08	7.14	LL01-LL02	39	50	52
PL.9720	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.03	7.26	LL01-LL02	41	53	55
PL.9721	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.06	7.25	LL01-LL02	41	53	55
PL.9722	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.16	7.22	LL01-LL02	41	52	55
PL.9723	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.03	7.27	LL01-LL02	41	53	55
PL.9726	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.02	7.39	LL01-LL02	47	59	62
PL.9727	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.17	7.49	LL01-LL02	47	60	62
PL.9733	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.06	7.44	LL01-LL02	49	63	65
PL.11274	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.04	7.44	LL00	49	43	44
PL.11275	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.01	7.41	LL00	46	40	41
PL.11276	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.03	7.42	LL00	48	42	43
PL.11277	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.03	7.41	LL00	46	40	41
PL.17419	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.03	7.31	LL00	35	30	31
PL.17420	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.07	7.30	LL00	34	30	31
PL.18030	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.00	7.38	LL00	43	37	39
PL.18616	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.05	7.37	LL00	43	37	39
PL.18617	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.04	7.36	LL00	42	37	38
PL.20124	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.03	7.43	LL00	49	42	44
PL.20125	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.02	7.43	LL00	49	42	44
PL.22958	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.01	7.34	LL00	38	33	34
PL.25739	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.01	7.41	LL00	46	40	41
PL.25740	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.05	7.40	LL00	45	39	40
PL.25741	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.04	7.39	LL00	43	38	39
PL.25746	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.04	7.36	LL00	40	35	36
PL.25747	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.05	7.35	LL00	39	34	35
PL.25748	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.01	7.35	LL00	38	33	34
PL.25749	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.02	7.33	LL00	38	33	34
PL.26028	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.04	7.32	LL00	38	33	34
PL.27920	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.05	7.28	LL00	34	29	30
PL.42944	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.01	7.34	LL00	38	33	34
PL.42945	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.08	7.33	LL00	38	33	34
PL.6297	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.07	7.29	LL00	34	30	30
PL.6971	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.05	7.38	LL00	43	38	39
PL.7378	FRENCHBURG	FRNBURG3	ABC	6ACWC	0.05	7.45	LL00	49	43	44
PL.19911	MARIBA	MARIBA3	ABC	6ACWC	0.06	7.54	LL03-LL04	34	38	39
PL.20022	MARIBA	MARIBA3	ABC	6ACWC	0.14	7.52	LL03-LL04	34	38	39

Winter_Conductor_Loading_50pt

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING JAN05 % Capacity (Bal)	LL2 JAN05 % Capacity (Bal)	LL4 JAN05 % Capacity (Bal)
PL.26039	MARIBA	MARIBA3	ABC	6ACWC	0.08	7.51	LL03-LL04	33	37	38
PL.26041	MARIBA	MARIBA3	ABC	6ACWC	0.05	7.50	LL03-LL04	33	37	38
PL.26042	MARIBA	MARIBA3	ABC	6ACWC	0.18	7.47	LL03-LL04	33	37	37
PL.26043	MARIBA	MARIBA3	ABC	6ACWC	0.13	7.45	LL03-LL04	33	36	37
PL.12174	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.01	7.39	LL01-LL02	33	41	42
PL.12175	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.05	7.38	LL01-LL02	33	41	42
PL.12178	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.09	7.31	LL01-LL02	30	36	38
PL.12179	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.36	7.27	LL01-LL02	30	36	38
PL.180	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.01	7.33	LL01-LL02	30	36	38
PL.26139	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.07	7.35	LL01-LL02	31	38	40
PL.26140	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.18	7.33	LL01-LL02	31	38	40
PL.26145	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.03	7.37	LL01-LL02	31	38	40
PL.26147	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.02	7.36	LL01-LL02	31	38	40
PL.26966	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.02	7.44	LL01-LL02	33	41	42
PL.26967	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.05	7.43	LL01-LL02	33	41	42
PL.46057	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.04	7.37	LL01-LL02	31	38	40
PL.46058	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.01	7.37	LL01-LL02	31	38	40
PL.8723	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.13	7.52	LL01-LL02	38	47	49
PL.8724	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.13	7.50	LL01-LL02	38	47	49
PL.8733	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.21	7.46	LL01-LL02	34	42	44
PL.8734	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.09	7.45	LL01-LL02	34	41	43
PL.8735	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.02	7.45	LL01-LL02	33	41	43
PL.8736	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.03	7.44	LL01-LL02	33	41	43
PL.8737	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.14	7.41	LL01-LL02	33	41	42
PL.8738	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.04	7.38	LL01-LL02	33	40	42
PL.8739	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.14	7.39	LL01-LL02	33	41	42
PL.8740	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.02	7.39	LL01-LL02	33	41	42
PL.18277	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.03	7.49	LL01-LL02	35	43	44
PL.18278	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.01	7.49	LL01-LL02	35	43	44
PL.11920	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.07	7.45	LL03-LL04	31	38	40
PL.11921	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.07	7.44	LL03-LL04	31	38	40
PL.11922	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.01	7.43	LL03-LL04	30	37	39
PL.11923	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.07	7.42	LL03-LL04	30	37	38
PL.11924	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.06	7.40	LL03-LL04	28	35	36
PL.11925	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.09	7.39	LL03-LL04	28	35	36
PL.14622	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.00	7.42	LL03-LL04	30	37	38
PL.14623	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.08	7.41	LL03-LL04	28	35	36
PL.19742	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.02	7.43	LL03-LL04	30	37	39
PL.19743	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.04	7.43	LL03-LL04	30	37	39

Winter_Conductor>Loading_50pt

Section					Length	Primary		EXISTING JAN05	LL2 JAN05 %	LL4 JAN05 %
Name	Source Name	Feeder Name	Phasing	Equipment	(Miles)	kV (Bal)	Timing	% Capacity (Bal)	Capacity (Bal)	Capacity (Bal)
PL.31039	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.13	7.47	LL03-LL04	34	42	44
PL.31040	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.05	7.46	LL03-LL04	34	42	44
PL.39270	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.02	7.46	LL03-LL04	34	42	44
PL.39271	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.02	7.46	LL03-LL04	31	39	40
PL.39459	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.02	7.38	LL03-LL04	28	35	36
PL.41476	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.04	7.39	LL03-LL04	28	35	36
PL.41477	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.01	7.39	LL03-LL04	28	35	36

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.19583	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.27	6.96 LL00	116.00	113.32	112.77	
PL.19584	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.11	6.95 LL00	115.78	113.04	112.48	
PL.19898	FRENCHBURG	FRNBURG1	A	4ACSR	0.18	6.86 LL00	114.34	111.09	110.42	
PL.20017	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	6.95 LL00	115.85	113.01	112.43	
PL.20018	FRENCHBURG	FRNBURG1	A	4ACSR	0.02	6.95 LL00	115.83	112.99	112.40	
PL.21530	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.84 LL00	114.02	110.67	109.99	
PL.21531	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.84 LL00	113.97	110.61	109.92	
PL.22110	FRENCHBURG	FRNBURG1	A	4ACSR	0.05	6.97 LL00	116.18	113.43	112.86	
PL.22111	FRENCHBURG	FRNBURG1	A	4ACSR	0.03	6.97 LL00	116.13	113.37	112.80	
PL.22598	FRENCHBURG	FRNBURG1	A	4ACSR	0.04	6.84 LL00	113.92	110.55	109.85	
PL.22599	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	6.84 LL00	113.92	110.55	109.85	
PL.23029	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	6.82 LL00	113.69	110.25	109.55	
PL.23030	FRENCHBURG	FRNBURG1	A	4ACSR	0.00	6.84 LL00	113.93	110.55	109.86	
PL.23031	FRENCHBURG	FRNBURG1	A	4ACSR	0.22	6.84 LL00	113.93	110.55	109.86	
PL.23032	FRENCHBURG	FRNBURG1	A	4ACSR	0.02	6.82 LL00	113.72	110.29	109.58	
PL.23033	FRENCHBURG	FRNBURG1	A	4ACSR	0.34	6.82 LL00	113.70	110.26	109.55	
PL.23034	FRENCHBURG	FRNBURG1	A	4ACSR	0.04	6.82 LL00	113.70	110.26	109.55	
PL.23167	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	6.82 LL00	113.70	110.26	109.56	
PL.23265	FRENCHBURG	FRNBURG1	A	4ACSR	0.12	6.82 LL00	113.69	110.25	109.55	
PL.23589	FRENCHBURG	FRNBURG1	A	4ACSR	0.11	6.83 LL00	113.92	110.54	109.85	
PL.23590	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.83 LL00	113.91	110.54	109.84	
PL.23591	FRENCHBURG	FRNBURG1	A	4ACSR	0.10	6.84 LL00	113.92	110.54	109.85	
PL.23593	FRENCHBURG	FRNBURG1	A	4ACSR	0.11	6.83 LL00	113.91	110.54	109.84	
PL.23594	FRENCHBURG	FRNBURG1	A	4ACSR	0.25	6.91 LL00	115.14	112.10	111.48	
PL.23595	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	6.91 LL00	115.13	112.09	111.46	
PL.27855	FRENCHBURG	FRNBURG1	A	4ACSR	0.11	6.90 LL00	115.08	112.03	111.40	
PL.27856	FRENCHBURG	FRNBURG1	A	4ACSR	0.14	6.90 LL00	115.06	112.00	111.37	
PL.28557	FRENCHBURG	FRNBURG1	A	4ACSR	0.02	6.84 LL00	114.08	110.75	110.06	
PL.28558	FRENCHBURG	FRNBURG1	A	4ACSR	0.05	6.84 LL00	113.93	110.56	109.87	
PL.28559	FRENCHBURG	FRNBURG1	A	4ACSR	0.09	6.83 LL00	113.87	110.49	109.79	
PL.28560	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.84 LL00	113.92	110.55	109.85	
PL.28561	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.84 LL00	113.92	110.54	109.85	
PL.28562	FRENCHBURG	FRNBURG1	A	4ACSR	0.10	6.83 LL00	113.81	110.41	109.71	
PL.28563	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	6.83 LL00	113.77	110.36	109.66	
PL.28564	FRENCHBURG	FRNBURG1	A	4ACSR	0.05	6.82 LL00	113.74	110.32	109.62	
PL.28624	FRENCHBURG	FRNBURG1	A	4ACSR	0.04	6.82 LL00	113.71	110.28	109.57	
PL.28810	FRENCHBURG	FRNBURG1	A	4ACSR	0.08	6.82 LL00	113.72	110.29	109.58	
PL.29006	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.92 LL00	115.40	112.44	111.83	
PL.29007	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.92 LL00	115.40	112.44	111.83	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.29008	FRENCHBURG	FRNBURG1	A	4ACSR	0.20	6.93 LL00	115.56	112.64	112.04	
PL.29009	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.92 LL00	115.32	112.34	111.72	
PL.29017	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	6.93 LL00	115.52	112.59	111.99	
PL.29026	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	6.92 LL00	115.35	112.37	111.76	
PL.29027	FRENCHBURG	FRNBURG1	A	4ACSR	0.08	6.92 LL00	115.34	112.35	111.74	
PL.29028	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	6.92 LL00	115.32	112.34	111.72	
PL.2909	FRENCHBURG	FRNBURG1	C	4ACSR	0.09	7.01 LL00	116.88	114.53	114.05	
PL.2913	FRENCHBURG	FRNBURG1	C	4ACSR	0.06	6.97 LL00	116.09	113.54	113.02	
PL.29174	FRENCHBURG	FRNBURG1	A	4ACSR	0.04	6.92 LL00	115.36	112.39	111.78	
PL.29175	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	6.92 LL00	115.40	112.44	111.83	
PL.29176	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.92 LL00	115.35	112.37	111.76	
PL.29177	FRENCHBURG	FRNBURG1	A	4ACSR	0.02	6.92 LL00	115.32	112.33	111.72	
PL.29198	FRENCHBURG	FRNBURG1	A	4ACSR	0.03	6.92 LL00	115.33	112.35	111.73	
PL.33045	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.12	7.12 LL00	118.67	116.71	116.31	
PL.33046	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.03	7.12 LL00	118.60	116.62	116.21	
PL.33213	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.91 LL00	115.12	112.08	111.46	
PL.33214	FRENCHBURG	FRNBURG1	A	4ACSR	0.05	6.91 LL00	115.12	112.08	111.45	
PL.33979	FRENCHBURG	FRNBURG1	A	4ACSR	0.04	6.87 LL00	114.53	111.32	110.67	
PL.36077	FRENCHBURG	FRNBURG1	A	2ACSR	0.05	6.82 LL00	113.69	110.25	109.55	
PL.36568	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.92 LL00	115.32	112.34	111.72	
PL.36569	FRENCHBURG	FRNBURG1	A	4ACSR	0.04	6.92 LL00	115.32	112.34	111.72	
PL.36668	FRENCHBURG	FRNBURG1	A	4ACSR	0.13	6.88 LL00	114.62	111.43	110.78	
PL.36669	FRENCHBURG	FRNBURG1	A	4ACSR	0.04	6.87 LL00	114.57	111.38	110.72	
PL.36671	FRENCHBURG	FRNBURG1	A	2ACSR	0.11	6.88 LL00	114.60	111.41	110.75	
PL.39222	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.14	7.09 LL00	118.12	116.01	115.57	
PL.40892	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.07	7.01 LL00	116.91	114.47	113.97	
PL.40893	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.01	7.01 LL00	116.88	114.43	113.93	
PL.40894	FRENCHBURG	FRNBURG1	A	4ACSR	0.02	6.92 LL00	115.39	112.43	111.82	
PL.40895	FRENCHBURG	FRNBURG1	A	4ACSR	0.09	6.92 LL00	115.36	112.39	111.78	
PL.40896	FRENCHBURG	FRNBURG1	A	4ACSR	0.00	6.91 LL00	115.10	112.06	111.43	
PL.40897	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.91 LL00	115.10	112.05	111.43	
PL.40898	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.90 LL00	115.04	111.97	111.35	
PL.40899	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	6.90 LL00	115.04	111.97	111.34	
PL.40900	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.90 LL00	115.03	111.96	111.33	
PL.40901	FRENCHBURG	FRNBURG1	A	4ACSR	0.88	6.90 LL00	114.99	111.92	111.29	
PL.40902	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	6.91 LL00	115.16	112.13	111.51	
PL.40903	FRENCHBURG	FRNBURG1	A	4ACSR	0.21	6.89 LL00	114.91	111.80	111.17	
PL.40904	FRENCHBURG	FRNBURG1	A	4ACSR	0.09	6.91 LL00	115.18	112.15	111.53	
PL.40905	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	6.91 LL00	115.17	112.14	111.52	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.40906	FRENCHBURG	FRNBURG1	A	4ACSR	0.23	6.85 LL00	114.10	110.78	110.10	
PL.40907	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	6.85 LL00	114.09	110.77	110.08	
PL.40910	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	6.85 LL00	114.09	110.77	110.08	
PL.40911	FRENCHBURG	FRNBURG1	A	4ACSR	0.09	6.85 LL00	114.09	110.76	110.08	
PL.41004	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	6.89 LL00	114.91	111.80	111.17	
PL.41005	FRENCHBURG	FRNBURG1	A	4ACSR	0.10	6.89 LL00	114.90	111.80	111.16	
PL.41006	FRENCHBURG	FRNBURG1	A	2ACSR	0.01	6.88 LL00	114.62	111.43	110.78	
PL.41007	FRENCHBURG	FRNBURG1	A	2ACSR	0.56	6.88 LL00	114.60	111.41	110.76	
PL.41008	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	6.84 LL00	113.93	110.56	109.87	
PL.41009	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.84 LL00	113.93	110.55	109.86	
PL.41010	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	6.84 LL00	113.93	110.56	109.87	
PL.41011	FRENCHBURG	FRNBURG1	A	4ACSR	0.08	6.84 LL00	113.93	110.55	109.86	
PL.41012	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	6.83 LL00	113.81	110.41	109.71	
PL.41013	FRENCHBURG	FRNBURG1	A	4ACSR	0.09	6.83 LL00	113.81	110.41	109.71	
PL.41016	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	6.82 LL00	113.70	110.26	109.56	
PL.41017	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	6.82 LL00	113.69	110.26	109.55	
PL.41471	FRENCHBURG	FRNBURG1	A	4ACSR	0.04	6.82 LL00	113.73	110.30	109.60	
PL.41472	FRENCHBURG	FRNBURG1	A	4ACSR	0.02	6.82 LL00	113.73	110.31	109.60	
PL.41473	FRENCHBURG	FRNBURG1	A	4ACSR	0.03	6.82 LL00	113.73	110.30	109.59	
PL.41719	FRENCHBURG	FRNBURG1	ABC	4ACSR	0.01	7.11 LL00	118.58	116.59	116.18	
PL.41720	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.02	7.11 LL00	118.52	116.52	116.11	
PL.41728	FRENCHBURG	FRNBURG1	B	4ACSR	0.00	7.07 LL00	117.75	115.58	115.13	
PL.41729	FRENCHBURG	FRNBURG1	B	4ACSR	0.09	7.06 LL00	117.75	115.58	115.13	
PL.41730	FRENCHBURG	FRNBURG1	C	4ACSR	0.00	7.01 LL00	116.88	114.53	114.05	
PL.41731	FRENCHBURG	FRNBURG1	C	4ACSR	0.10	7.01 LL00	116.88	114.53	114.05	
PL.41760	FRENCHBURG	FRNBURG1	C	4ACSR	0.01	6.97 LL00	116.10	113.55	113.03	
PL.41761	FRENCHBURG	FRNBURG1	C	4ACSR	0.11	6.97 LL00	116.09	113.54	113.02	
PL.43910	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	6.95 LL00	115.82	112.97	112.39	
PL.43911	FRENCHBURG	FRNBURG1	A	4ACSR	0.12	6.94 LL00	115.73	112.86	112.27	
PL.45134	FRENCHBURG	FRNBURG1	A	4ACSR	0.08	6.93 LL00	115.48	112.54	111.93	
PL.45135	FRENCHBURG	FRNBURG1	A	4ACSR	0.10	6.93 LL00	115.43	112.47	111.86	
PL.45299	FRENCHBURG	FRNBURG1	A	2ACSR	0.06	6.92 LL00	115.34	112.35	111.74	
PL.46539	FRENCHBURG	FRNBURG1	A	1/0EPRJCN	0.04	6.82 LL00	113.69	110.26	109.55	
PL.6794	FRENCHBURG	FRNBURG1	A	4ACSR	0.04	6.94 LL00	115.67	112.78	112.19	
PL.7026	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	6.89 LL00	114.82	111.70	111.05	
PL.7027	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.89 LL00	114.76	111.61	110.97	
PL.7029	FRENCHBURG	FRNBURG1	A	4ACSR	0.18	6.91 LL00	115.12	112.08	111.46	
PL.7030	FRENCHBURG	FRNBURG1	A	4ACSR	0.37	6.92 LL00	115.32	112.33	111.72	
PL.7031	FRENCHBURG	FRNBURG1	A	4ACSR	0.14	6.90 LL00	115.04	111.98	111.35	

Winter_Low_Voltage

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
								JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.7033	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.13	7.02	LL00	117.07	114.68	114.19
PL.7035	FRENCHBURG	FRNBURG1	A	4ACSR	0.11	6.90	LL00	115.03	111.97	111.34
PL.7039	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	6.96	LL00	115.93	113.11	112.53
PL.7042	FRENCHBURG	FRNBURG1	A	4ACSR	0.06	6.96	LL00	116.04	113.25	112.68
PL.7043	FRENCHBURG	FRNBURG1	A	4ACSR	0.05	6.94	LL00	115.70	112.81	112.22
PL.8607	FRENCHBURG	FRNBURG1	A	4ACSR	0.11	6.91	LL00	115.10	112.06	111.43
PL.9470	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.27	6.91	LL00	115.25	112.37	111.77
PL.9471	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.18	6.99	LL00	116.52	113.99	113.47
PL.9472	FRENCHBURG	FRNBURG1	C	4ACSR	0.07	7.01	LL00	116.88	114.53	114.05
PL.9473	FRENCHBURG	FRNBURG1	C	4ACSR	0.04	7.01	LL00	116.88	114.53	114.05
PL.9474	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.04	7.06	LL00	117.63	115.39	114.93
PL.9475	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.10	7.04	LL00	117.37	115.06	114.58
PL.9476	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.07	7.07	LL00	117.92	115.75	115.31
PL.9477	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.06	7.06	LL00	117.73	115.52	115.07
PL.16893	FRENCHBURG	FRNBURG1	C	4ACSR	0.01	7.15	LL01-LL02	119.21	117.46	117.10
PL.16894	FRENCHBURG	FRNBURG1	C	4ACSR	0.13	7.15	LL01-LL02	119.20	117.46	117.10
PL.27263	FRENCHBURG	FRNBURG1	A	4ACSR	0.03	7.13	LL01-LL02	118.82	116.81	116.40
PL.27347	FRENCHBURG	FRNBURG1	A	4ACSR	0.01	7.13	LL01-LL02	118.82	116.81	116.40
PL.40909	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.10	7.20	LL01-LL02	119.97	118.36	118.03
PL.41721	FRENCHBURG	FRNBURG1	B	4ACSR	0.00	7.11	LL01-LL02	118.56	116.60	116.20
PL.41722	FRENCHBURG	FRNBURG1	B	4ACSR	0.07	7.11	LL01-LL02	118.56	116.59	116.19
PL.41723	FRENCHBURG	FRNBURG1	B	4ACSR	0.01	7.10	LL01-LL02	118.40	116.40	115.99
PL.41724	FRENCHBURG	FRNBURG1	B	4ACSR	0.14	7.10	LL01-LL02	118.39	116.39	115.98
PL.41725	FRENCHBURG	FRNBURG1	B	4ACSR	0.00	7.10	LL01-LL02	118.32	116.30	115.88
PL.41726	FRENCHBURG	FRNBURG1	B	4ACSR	0.11	7.10	LL01-LL02	118.31	116.29	115.87
PL.41773	FRENCHBURG	FRNBURG1	C	2ACSR	0.01	7.13	LL01-LL02	118.77	116.90	116.53
PL.41774	FRENCHBURG	FRNBURG1	C	2ACSR	0.02	7.13	LL01-LL02	118.77	116.90	116.53
PL.7024	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.05	7.15	LL01-LL02	119.25	117.44	117.07
PL.7040	FRENCHBURG	FRNBURG1	A	4ACSR	0.07	7.13	LL01-LL02	118.82	116.81	116.40
PL.9478	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.18	7.17	LL01-LL02	119.43	117.67	117.31
PL.9479	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.02	7.16	LL01-LL02	119.38	117.61	117.25
PL.9718	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.08	7.14	LL01-LL02	119.02	117.16	116.77
PL.40908	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.03	7.22	LL03-LL04	120.26	118.72	118.41
PL.9722	FRENCHBURG	FRNBURG1	ABC	6ACWC	0.16	7.22	LL03-LL04	120.34	118.83	118.52
PL.19476	FRENCHBURG	FRNBURG2	B	4ACSR	0.11	7.08	LL00	117.97	116.23	115.88
PL.19477	FRENCHBURG	FRNBURG2	B	4ACSR	0.06	7.08	LL00	117.98	116.24	115.90
PL.21113	FRENCHBURG	FRNBURG2	B	4ACSR	0.12	7.08	LL00	117.96	116.22	115.88
PL.23273	FRENCHBURG	FRNBURG2	B	4ACSR	0.06	7.08	LL00	117.99	116.25	115.91
PL.23274	FRENCHBURG	FRNBURG2	B	4ACSR	0.06	7.08	LL00	117.98	116.24	115.90

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.25735	FRENCHBURG	FRNBURG2	B	4ACSR	0.08	7.08	LL00	117.98	116.25	115.91
PL.25736	FRENCHBURG	FRNBURG2	B	4ACSR	0.08	7.08	LL00	118.00	116.27	115.92
PL.25738	FRENCHBURG	FRNBURG2	B	4ACSR	0.02	7.08	LL00	117.97	116.23	115.88
PL.45143	FRENCHBURG	FRNBURG2	B	4ACSR	0.08	7.08	LL00	117.96	116.23	115.88
PL.45144	FRENCHBURG	FRNBURG2	B	4ACSR	0.05	7.08	LL00	117.96	116.22	115.88
PL.19961	FRENCHBURG	FRNBURG2	B	4ACSR	0.08	7.16	LL01-LL02	119.29	117.89	117.61
PL.19962	FRENCHBURG	FRNBURG2	B	4ACSR	0.08	7.15	LL01-LL02	119.23	117.81	117.53
PL.20389	FRENCHBURG	FRNBURG2	B	4ACSR	0.05	7.11	LL01-LL02	118.48	116.88	116.56
PL.20448	FRENCHBURG	FRNBURG2	B	4ACSR	0.06	7.14	LL01-LL02	119.05	117.59	117.30
PL.20449	FRENCHBURG	FRNBURG2	B	4ACSR	0.01	7.14	LL01-LL02	119.04	117.58	117.29
PL.21115	FRENCHBURG	FRNBURG2	B	4ACSR	0.04	7.09	LL01-LL02	118.15	116.46	116.12
PL.25733	FRENCHBURG	FRNBURG2	B	4ACSR	0.09	7.15	LL01-LL02	119.16	117.73	117.45
PL.25734	FRENCHBURG	FRNBURG2	B	4ACSR	0.12	7.15	LL01-LL02	119.08	117.63	117.35
PL.40592	FRENCHBURG	FRNBURG2	B	4ACSR	0.08	7.14	LL01-LL02	118.99	117.52	117.23
PL.40593	FRENCHBURG	FRNBURG2	B	4ACSR	0.80	7.11	LL01-LL02	118.51	116.91	116.60
PL.6352	FRENCHBURG	FRNBURG2	B	4ACSR	0.07	7.08	LL01-LL02	118.02	116.30	115.96
PL.6353	FRENCHBURG	FRNBURG2	B	4ACSR	0.16	7.08	LL01-LL02	118.04	116.33	115.99
PL.6359	FRENCHBURG	FRNBURG2	B	4ACSR	0.12	7.09	LL01-LL02	118.11	116.40	116.07
PL.6360	FRENCHBURG	FRNBURG2	B	4ACSR	0.12	7.09	LL01-LL02	118.15	116.46	116.13
PL.6369	FRENCHBURG	FRNBURG2	B	4ACSR	0.18	7.16	LL01-LL02	119.36	117.98	117.71
PL.6372	FRENCHBURG	FRNBURG2	B	4ACSR	0.44	7.09	LL01-LL02	118.21	116.54	116.21
PL.6373	FRENCHBURG	FRNBURG2	B	4ACSR	0.09	7.11	LL01-LL02	118.43	116.82	116.50
PL.6367	FRENCHBURG	FRNBURG2	B	4ACSR	0.12	7.17	LL03-LL04	119.52	118.18	117.92
PL.21535	FRENCHBURG	FRNBURG4	A	4ACSR	0.23	7.17	LL01-LL02	119.47	117.80	117.47
PL.21671	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.11	LL01-LL02	118.57	116.67	116.29
PL.21672	FRENCHBURG	FRNBURG4	A	4ACSR	0.59	7.13	LL01-LL02	118.77	116.93	116.56
PL.21673	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.13	LL01-LL02	118.80	116.96	116.60
PL.21675	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.14	LL01-LL02	118.95	117.16	116.80
PL.21842	FRENCHBURG	FRNBURG4	A	4ACSR	0.73	7.12	LL01-LL02	118.73	116.87	116.50
PL.21843	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.12	LL01-LL02	118.72	116.86	116.49
PL.21844	FRENCHBURG	FRNBURG4	A	4ACSR	0.08	7.12	LL01-LL02	118.72	116.86	116.49
PL.21846	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.12	LL01-LL02	118.69	116.83	116.46
PL.21847	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.12	LL01-LL02	118.69	116.83	116.46
PL.21848	FRENCHBURG	FRNBURG4	A	4ACSR	0.09	7.12	LL01-LL02	118.69	116.83	116.46
PL.21869	FRENCHBURG	FRNBURG4	A	4ACSR	0.14	7.14	LL01-LL02	118.95	117.15	116.79
PL.22112	FRENCHBURG	FRNBURG4	A	4ACSR	0.00	7.12	LL01-LL02	118.73	116.87	116.50
PL.22113	FRENCHBURG	FRNBURG4	A	4ACSR	0.09	7.12	LL01-LL02	118.72	116.87	116.50
PL.22116	FRENCHBURG	FRNBURG4	A	4ACSR	0.00	7.14	LL01-LL02	118.95	117.15	116.79
PL.22117	FRENCHBURG	FRNBURG4	A	4ACSR	0.20	7.14	LL01-LL02	118.94	117.14	116.79

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.22118	FRENCHBURG	FRNBURG4	A	4ACSR	0.16	7.13	LL01-LL02	118.90	117.09	116.73
PL.22119	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.13	LL01-LL02	118.90	117.09	116.73
PL.22120	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.13	LL01-LL02	118.81	116.98	116.61
PL.22121	FRENCHBURG	FRNBURG4	A	4ACSR	0.00	7.14	LL01-LL02	118.98	117.19	116.83
PL.22124	FRENCHBURG	FRNBURG4	A	4ACSR	0.12	7.12	LL01-LL02	118.64	116.76	116.39
PL.22125	FRENCHBURG	FRNBURG4	A	4ACSR	0.11	7.12	LL01-LL02	118.65	116.77	116.40
PL.22190	FRENCHBURG	FRNBURG4	A	4ACSR	0.40	7.14	LL01-LL02	118.94	117.14	116.78
PL.22191	FRENCHBURG	FRNBURG4	A	4ACSR	0.00	7.12	LL01-LL02	118.59	116.70	116.33
PL.22192	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.12	LL01-LL02	118.59	116.69	116.32
PL.22193	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.12	LL01-LL02	118.59	116.69	116.32
PL.22194	FRENCHBURG	FRNBURG4	A	4ACSR	0.08	7.11	LL01-LL02	118.58	116.69	116.31
PL.22195	FRENCHBURG	FRNBURG4	A	4ACSR	0.10	7.11	LL01-LL02	118.57	116.67	116.29
PL.22196	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.11	LL01-LL02	118.58	116.68	116.30
PL.22197	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.11	LL01-LL02	118.57	116.68	116.30
PL.22198	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.11	LL01-LL02	118.57	116.67	116.29
PL.22199	FRENCHBURG	FRNBURG4	A	4ACSR	0.03	7.11	LL01-LL02	118.57	116.67	116.29
PL.22200	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.11	LL01-LL02	118.57	116.67	116.29
PL.22326	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.12	LL01-LL02	118.59	116.69	116.32
PL.22327	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.11	LL01-LL02	118.57	116.67	116.29
PL.22451	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.12	LL01-LL02	118.72	116.86	116.49
PL.22453	FRENCHBURG	FRNBURG4	A	4ACSR	0.11	7.12	LL01-LL02	118.65	116.78	116.40
PL.22454	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.12	LL01-LL02	118.66	116.79	116.42
PL.22455	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.12	LL01-LL02	118.66	116.78	116.41
PL.22456	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.12	LL01-LL02	118.72	116.86	116.49
PL.22457	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.12	LL01-LL02	118.72	116.86	116.49
PL.22529	FRENCHBURG	FRNBURG4	A	4ACSR	0.07	7.12	LL01-LL02	118.59	116.71	116.33
PL.22530	FRENCHBURG	FRNBURG4	A	4ACSR	0.07	7.12	LL01-LL02	118.72	116.86	116.49
PL.22531	FRENCHBURG	FRNBURG4	A	4ACSR	0.11	7.12	LL01-LL02	118.61	116.73	116.35
PL.22607	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.12	LL01-LL02	118.65	116.78	116.40
PL.22608	FRENCHBURG	FRNBURG4	A	4ACSR	0.03	7.11	LL01-LL02	118.58	116.69	116.32
PL.22609	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.11	LL01-LL02	118.58	116.69	116.31
PL.22665	FRENCHBURG	FRNBURG4	A	4ACSR	0.60	7.14	LL01-LL02	118.95	117.16	116.80
PL.22666	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.12	LL01-LL02	118.70	116.83	116.46
PL.22667	FRENCHBURG	FRNBURG4	A	4ACSR	0.10	7.14	LL01-LL02	118.92	117.11	116.75
PL.22968	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.16	LL01-LL02	119.31	117.61	117.27
PL.22969	FRENCHBURG	FRNBURG4	A	4ACSR	0.20	7.15	LL01-LL02	119.18	117.45	117.10
PL.23081	FRENCHBURG	FRNBURG4	A	4ACSR	0.08	7.12	LL01-LL02	118.67	116.80	116.43
PL.23082	FRENCHBURG	FRNBURG4	A	4ACSR	0.07	7.13	LL01-LL02	118.77	116.92	116.56
PL.23084	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.12	LL01-LL02	118.69	116.83	116.46

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.23615	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.12 LL01-LL02	118.65	116.77	116.40	
PL.23616	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.11 LL01-LL02	118.57	116.67	116.29	
PL.23617	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.13 LL01-LL02	118.77	116.92	116.56	
PL.23618	FRENCHBURG	FRNBURG4	A	4ACSR	0.13	7.13 LL01-LL02	118.77	116.92	116.56	
PL.23619	FRENCHBURG	FRNBURG4	A	4ACSR	0.09	7.12 LL01-LL02	118.59	116.69	116.32	
PL.23620	FRENCHBURG	FRNBURG4	A	4ACSR	0.03	7.11 LL01-LL02	118.58	116.68	116.30	
PL.23621	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.11 LL01-LL02	118.57	116.67	116.29	
PL.28221	FRENCHBURG	FRNBURG4	A	4ACSR	0.00	7.12 LL01-LL02	118.65	116.77	116.40	
PL.28222	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.12 LL01-LL02	118.67	116.80	116.43	
PL.28223	FRENCHBURG	FRNBURG4	A	4ACSR	0.11	7.12 LL01-LL02	118.66	116.79	116.42	
PL.28532	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.16 LL01-LL02	119.31	117.61	117.27	
PL.28533	FRENCHBURG	FRNBURG4	A	4ACSR	1.04	7.14 LL01-LL02	118.98	117.19	116.83	
PL.28552	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.12 LL01-LL02	118.59	116.70	116.32	
PL.28553	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.12 LL01-LL02	118.59	116.70	116.32	
PL.28585	FRENCHBURG	FRNBURG4	A	4ACSR	0.03	7.12 LL01-LL02	118.69	116.82	116.45	
PL.28586	FRENCHBURG	FRNBURG4	A	4ACSR	0.12	7.12 LL01-LL02	118.64	116.77	116.39	
PL.28599	FRENCHBURG	FRNBURG4	A	4ACSR	0.52	7.14 LL01-LL02	118.92	117.11	116.76	
PL.28600	FRENCHBURG	FRNBURG4	A	4ACSR	0.36	7.13 LL01-LL02	118.91	117.10	116.74	
PL.28601	FRENCHBURG	FRNBURG4	A	4ACSR	0.07	7.14 LL01-LL02	118.94	117.13	116.77	
PL.28602	FRENCHBURG	FRNBURG4	A	4ACSR	0.16	7.16 LL01-LL02	119.32	117.61	117.27	
PL.29226	FRENCHBURG	FRNBURG4	A	4ACSR	0.14	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29227	FRENCHBURG	FRNBURG4	A	4ACSR	0.18	7.13 LL01-LL02	118.89	117.08	116.72	
PL.29228	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.13 LL01-LL02	118.89	117.08	116.72	
PL.29229	FRENCHBURG	FRNBURG4	A	4ACSR	0.09	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29230	FRENCHBURG	FRNBURG4	A	4ACSR	0.05	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29231	FRENCHBURG	FRNBURG4	A	4ACSR	0.12	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29232	FRENCHBURG	FRNBURG4	A	4ACSR	0.09	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29237	FRENCHBURG	FRNBURG4	A	4ACSR	0.08	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29238	FRENCHBURG	FRNBURG4	A	4ACSR	0.19	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29239	FRENCHBURG	FRNBURG4	A	4ACSR	0.07	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29240	FRENCHBURG	FRNBURG4	A	4ACSR	0.00	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29241	FRENCHBURG	FRNBURG4	A	4ACSR	0.17	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29243	FRENCHBURG	FRNBURG4	A	4ACSR	0.21	7.13 LL01-LL02	118.90	117.08	116.72	
PL.29244	FRENCHBURG	FRNBURG4	A	4ACSR	0.02	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29541	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29542	FRENCHBURG	FRNBURG4	A	4ACSR	0.10	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29559	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.13 LL01-LL02	118.81	116.98	116.61	
PL.29562	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.13 LL01-LL02	118.89	117.08	116.72	
PL.29563	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.13 LL01-LL02	118.89	117.08	116.72	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.29564	FRENCHBURG	FRNBURG4	A	4ACSR	0.06	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29565	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29566	FRENCHBURG	FRNBURG4	A	4ACSR	0.08	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29567	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29568	FRENCHBURG	FRNBURG4	A	4ACSR	0.13	7.13 LL01-LL02	118.89	117.07	116.71	
PL.29569	FRENCHBURG	FRNBURG4	A	4ACSR	0.10	7.13 LL01-LL02	118.89	117.07	116.71	
PL.33047	FRENCHBURG	FRNBURG4	A	4ACSR	0.07	7.12 LL01-LL02	118.71	116.86	116.49	
PL.34962	FRENCHBURG	FRNBURG4	A	1/0EPRJCN	0.03	7.13 LL01-LL02	118.85	117.03	116.66	
PL.34964	FRENCHBURG	FRNBURG4	A	4ACSR	0.15	7.13 LL01-LL02	118.81	116.98	116.62	
PL.35626	FRENCHBURG	FRNBURG4	A	4ACSR	0.08	7.12 LL01-LL02	118.68	116.82	116.45	
PL.35627	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.12 LL01-LL02	118.68	116.81	116.44	
PL.45185	FRENCHBURG	FRNBURG4	A	4ACSR	0.01	7.12 LL01-LL02	118.70	116.83	116.46	
PL.45186	FRENCHBURG	FRNBURG4	A	4ACSR	0.00	7.12 LL01-LL02	118.70	116.83	116.46	
PL.45317	FRENCHBURG	FRNBURG4	A	4ACSR	0.21	7.13 LL01-LL02	118.88	117.06	116.70	
PL.45318	FRENCHBURG	FRNBURG4	A	4ACSR	0.37	7.13 LL01-LL02	118.88	117.06	116.70	
PL.45319	FRENCHBURG	FRNBURG4	A	4ACSR	0.09	7.13 LL01-LL02	118.85	117.03	116.66	
PL.45320	FRENCHBURG	FRNBURG4	A	4ACSR	0.04	7.13 LL01-LL02	118.88	117.06	116.70	
PL.21534	FRENCHBURG	FRNBURG4	A	4ACSR	0.88	7.18 LL03-LL04	119.69	118.08	117.76	
PL.26060	HARDWICH'S CREEK	OCD41	B	4ACSR	0.10	7.25 LL01-LL02	120.91	117.78	117.50	
PL.26061	HARDWICH'S CREEK	OCD41	B	4ACSR	0.06	7.25 LL01-LL02	120.90	117.77	117.48	
PL.26062	HARDWICH'S CREEK	OCD41	B	4ACSR	0.03	7.25 LL01-LL02	120.90	117.77	117.48	
PL.46081	HARDWICH'S CREEK	OCD41	B	2ACSR	0.01	7.26 LL01-LL02	120.94	117.83	117.55	
PL.8174	HARDWICH'S CREEK	OCD41	B	4ACSR	0.12	7.26 LL01-LL02	121.04	117.97	117.69	
PL.8175	HARDWICH'S CREEK	OCD41	B	4ACSR	0.04	7.25 LL01-LL02	120.89	117.77	117.48	
PL.8176	HARDWICH'S CREEK	OCD41	B	4ACSR	0.06	7.26 LL01-LL02	121.01	117.92	117.64	
PL.8177	HARDWICH'S CREEK	OCD41	B	4ACSR	0.07	7.26 LL01-LL02	120.98	117.88	117.60	
PL.8209	HARDWICH'S CREEK	OCD41	B	4ACSR	0.04	7.26 LL01-LL02	120.96	117.86	117.58	
PL.8219	HARDWICH'S CREEK	OCD41	B	4ACSR	0.09	7.26 LL01-LL02	120.94	117.83	117.55	
PL.8220	HARDWICH'S CREEK	OCD41	B	4ACSR	0.05	7.26 LL01-LL02	120.93	117.81	117.53	
PL.12372	HARDWICH'S CREEK	OCD41	B	4ACSR	0.06	7.27 LL03-LL04	121.18	118.17	117.90	
PL.12375	HARDWICH'S CREEK	OCD41	B	4ACSR	0.03	7.27 LL03-LL04	121.18	118.17	117.90	
PL.25835	HARDWICH'S CREEK	OCD41	B	4ACSR	0.04	7.27 LL03-LL04	121.09	118.03	117.76	
PL.25837	HARDWICH'S CREEK	OCD41	B	4ACSR	0.04	7.26 LL03-LL04	121.08	118.02	117.74	
PL.25838	HARDWICH'S CREEK	OCD41	B	4ACSR	0.04	7.26 LL03-LL04	121.08	118.02	117.75	
PL.25839	HARDWICH'S CREEK	OCD41	B	4ACSR	0.03	7.26 LL03-LL04	121.08	118.02	117.74	
PL.26058	HARDWICH'S CREEK	OCD41	B	4ACSR	0.04	7.26 LL03-LL04	121.07	118.01	117.73	
PL.26059	HARDWICH'S CREEK	OCD41	B	4ACSR	0.10	7.26 LL03-LL04	121.07	118.01	117.73	
PL.30793	HARDWICH'S CREEK	OCD41	B	4ACSR	0.04	7.27 LL03-LL04	121.10	118.06	117.78	
PL.34831	HARDWICH'S CREEK	OCD41	B	4ACSR	0.00	7.27 LL03-LL04	121.18	118.17	117.89	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.34832	HARDWICH'S CREEK	OCD41	B	4ACSR	0.06	7.27 LL03-LL04	121.15	118.12	117.84	
PL.34833	HARDWICH'S CREEK	OCD41	B	4ACSR	0.01	7.27 LL03-LL04	121.18	118.17	117.89	
PL.34835	HARDWICH'S CREEK	OCD41	B	4ACSR	0.01	7.27 LL03-LL04	121.10	118.05	117.78	
PL.34836	HARDWICH'S CREEK	OCD41	B	4ACSR	0.06	7.27 LL03-LL04	121.09	118.04	117.76	
PL.34837	HARDWICH'S CREEK	OCD41	B	4ACSR	0.01	7.27 LL03-LL04	121.08	118.03	117.75	
PL.34838	HARDWICH'S CREEK	OCD41	B	4ACSR	0.03	7.26 LL03-LL04	121.08	118.03	117.75	
PL.34839	HARDWICH'S CREEK	OCD41	B	4ACSR	0.01	7.26 LL03-LL04	121.08	118.02	117.75	
PL.34840	HARDWICH'S CREEK	OCD41	B	4ACSR	0.06	7.26 LL03-LL04	121.08	118.02	117.74	
PL.34841	HARDWICH'S CREEK	OCD41	B	4ACSR	0.00	7.26 LL03-LL04	121.07	118.01	117.73	
PL.34842	HARDWICH'S CREEK	OCD41	B	4ACSR	0.05	7.26 LL03-LL04	121.07	118.01	117.73	
PL.34860	HARDWICH'S CREEK	OCD41	B	4ACSR	0.01	7.27 LL03-LL04	121.12	118.07	117.80	
PL.34861	HARDWICH'S CREEK	OCD41	B	4ACSR	0.07	7.27 LL03-LL04	121.11	118.07	117.79	
PL.39436	HARDWICH'S CREEK	OCD41	B	4ACSR	0.02	7.27 LL03-LL04	121.17	118.15	117.87	
PL.39437	HARDWICH'S CREEK	OCD41	B	4ACSR	0.08	7.27 LL03-LL04	121.12	118.08	117.81	
PL.40426	HARDWICH'S CREEK	OCD41	B	4ACSR	0.02	7.27 LL03-LL04	121.09	118.04	117.76	
PL.44150	HARDWICH'S CREEK	OCD41	B	4ACSR	0.02	7.27 LL03-LL04	121.14	118.11	117.83	
PL.44151	HARDWICH'S CREEK	OCD41	B	4ACSR	0.04	7.27 LL03-LL04	121.12	118.07	117.80	
PL.8173	HARDWICH'S CREEK	OCD41	B	4ACSR	0.04	7.27 LL03-LL04	121.10	118.05	117.77	
PL.8179	HARDWICH'S CREEK	OCD41	B	4ACSR	0.00	7.26 LL03-LL04	121.07	118.01	117.73	
PL.12868	HARDWICH'S CREEK	OCD42	C	4ACSR	0.15	7.08 LL00	117.93	114.54	114.12	
PL.12869	HARDWICH'S CREEK	OCD42	C	4ACSR	0.10	7.07 LL00	117.81	114.36	113.93	
PL.12870	HARDWICH'S CREEK	OCD42	C	4ACSR	0.15	7.06 LL00	117.62	114.11	113.66	
PL.12871	HARDWICH'S CREEK	OCD42	C	4ACSR	0.02	7.05 LL00	117.54	113.99	113.54	
PL.12872	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.05 LL00	117.49	113.93	113.48	
PL.12873	HARDWICH'S CREEK	OCD42	C	4ACSR	0.15	7.03 LL00	117.18	113.49	113.02	
PL.12874	HARDWICH'S CREEK	OCD42	C	4ACSR	0.02	7.03 LL00	117.16	113.46	112.99	
PL.12875	HARDWICH'S CREEK	OCD42	C	4ACSR	0.06	7.03 LL00	117.17	113.48	113.01	
PL.12876	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.03 LL00	117.12	113.40	112.93	
PL.12877	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.03 LL00	117.11	113.39	112.91	
PL.12878	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.02 LL00	117.02	113.27	112.79	
PL.12879	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.02 LL00	117.03	113.27	112.79	
PL.12880	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.02 LL00	117.03	113.27	112.79	
PL.12881	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.05 LL00	117.46	113.88	113.43	
PL.12882	HARDWICH'S CREEK	OCD42	C	4ACSR	0.12	7.04 LL00	117.33	113.70	113.24	
PL.12883	HARDWICH'S CREEK	OCD42	C	4ACSR	0.06	7.02 LL00	117.04	113.28	112.81	
PL.12885	HARDWICH'S CREEK	OCD42	C	4ACSR	0.16	7.02 LL00	116.97	113.19	112.71	
PL.12886	HARDWICH'S CREEK	OCD42	C	4ACSR	0.09	7.02 LL00	116.95	113.17	112.69	
PL.12889	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.02 LL00	116.97	113.19	112.71	
PL.12890	HARDWICH'S CREEK	OCD42	C	4ACSR	0.10	7.02 LL00	116.93	113.14	112.65	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.12891	HARDWICH'S CREEK	OCD42	C	4ACSR	0.11	7.02 LL00	116.92	113.12	112.64	
PL.12892	HARDWICH'S CREEK	OCD42	C	4ACSR	0.33	7.01 LL00	116.90	113.10	112.62	
PL.15183	HARDWICH'S CREEK	OCD42	C	4ACSR	0.10	7.02 LL00	116.94	113.14	112.66	
PL.15184	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.02 LL00	116.94	113.14	112.66	
PL.15185	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.03 LL00	117.18	113.48	113.02	
PL.15186	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.03 LL00	117.18	113.48	113.01	
PL.15187	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.03 LL00	117.16	113.45	112.98	
PL.15188	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.03 LL00	117.13	113.42	112.95	
PL.15189	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.03 LL00	117.16	113.46	112.99	
PL.15190	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.04 LL00	117.33	113.70	113.24	
PL.15191	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.04 LL00	117.33	113.70	113.24	
PL.15192	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.04 LL00	117.33	113.70	113.24	
PL.15193	HARDWICH'S CREEK	OCD42	C	4ACSR	0.09	7.04 LL00	117.33	113.69	113.23	
PL.15194	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.05 LL00	117.46	113.88	113.43	
PL.15195	HARDWICH'S CREEK	OCD42	C	4ACSR	0.02	7.05 LL00	117.46	113.88	113.43	
PL.15196	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.05 LL00	117.54	113.99	113.54	
PL.15197	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.05 LL00	117.54	113.99	113.54	
PL.15198	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.07 LL00	117.81	114.36	113.93	
PL.15199	HARDWICH'S CREEK	OCD42	C	4ACSR	0.10	7.07 LL00	117.80	114.36	113.93	
PL.15200	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.07 LL00	117.81	114.36	113.93	
PL.15201	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.07 LL00	117.80	114.36	113.93	
PL.15202	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.08 LL00	117.93	114.54	114.12	
PL.15203	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.08 LL00	117.93	114.54	114.11	
PL.19409	HARDWICH'S CREEK	OCD42	C	4ACSR	0.13	7.03 LL00	117.11	113.38	112.91	
PL.19410	HARDWICH'S CREEK	OCD42	C	4ACSR	0.12	7.02 LL00	117.06	113.32	112.84	
PL.24472	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.07 LL00	117.80	114.36	113.93	
PL.25246	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.05 LL00	117.57	114.03	113.58	
PL.25266	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.02 LL00	117.02	113.26	112.79	
PL.25267	HARDWICH'S CREEK	OCD42	C	4ACSR	0.11	7.02 LL00	117.02	113.26	112.79	
PL.25294	HARDWICH'S CREEK	OCD42	C	4ACSR	0.08	7.01 LL00	116.89	113.08	112.60	
PL.25295	HARDWICH'S CREEK	OCD42	C	4ACSR	0.13	7.01 LL00	116.89	113.08	112.60	
PL.25296	HARDWICH'S CREEK	OCD42	C	4ACSR	0.08	7.01 LL00	116.90	113.10	112.61	
PL.25297	HARDWICH'S CREEK	OCD42	C	4ACSR	0.13	7.01 LL00	116.90	113.09	112.60	
PL.25298	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.02 LL00	116.93	113.13	112.65	
PL.30935	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.02 LL00	117.02	113.27	112.79	
PL.30936	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.02 LL00	117.01	113.25	112.77	
PL.33670	HARDWICH'S CREEK	OCD42	C	2ACSR	0.04	7.02 LL00	117.02	113.26	112.79	
PL.38994	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.02 LL00	117.01	113.25	112.77	
PL.38995	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.02 LL00	117.01	113.25	112.77	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.38996	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.02 LL00	116.96	113.18	112.70	
PL.38997	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.02 LL00	116.97	113.19	112.71	
PL.38998	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.02 LL00	116.97	113.19	112.71	
PL.38999	HARDWICH'S CREEK	OCD42	C	4ACSR	0.08	7.02 LL00	116.97	113.19	112.71	
PL.39001	HARDWICH'S CREEK	OCD42	C	4ACSR	0.15	7.02 LL00	116.95	113.17	112.69	
PL.39002	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.02 LL00	116.95	113.16	112.68	
PL.39003	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.02 LL00	116.95	113.17	112.69	
PL.39004	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.02 LL00	116.95	113.17	112.69	
PL.39005	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.02 LL00	116.95	113.17	112.69	
PL.39006	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.02 LL00	116.94	113.14	112.66	
PL.39008	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.02 LL00	116.94	113.14	112.66	
PL.39009	HARDWICH'S CREEK	OCD42	C	4ACSR	0.09	7.02 LL00	116.93	113.14	112.66	
PL.39010	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.02 LL00	116.92	113.12	112.64	
PL.39011	HARDWICH'S CREEK	OCD42	C	4ACSR	0.08	7.02 LL00	116.92	113.12	112.64	
PL.40495	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.08 LL00	117.93	114.53	114.11	
PL.4688	HARDWICH'S CREEK	OCD42	C	4ACSR	0.12	7.02 LL00	117.02	113.26	112.78	
PL.4704	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.02 LL00	117.03	113.28	112.81	
PL.4707	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.02 LL00	116.94	113.15	112.67	
PL.4708	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.03 LL00	117.18	113.48	113.01	
PL.4709	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.03 LL00	117.11	113.38	112.91	
PL.4710	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.02 LL00	117.02	113.27	112.79	
PL.4713	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.02 LL00	117.02	113.27	112.79	
PL.4714	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.03 LL00	117.10	113.37	112.90	
PL.4715	HARDWICH'S CREEK	OCD42	C	4ACSR	0.19	7.02 LL00	116.93	113.14	112.65	
PL.8229	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.05 LL00	117.46	113.88	113.43	
PL.8230	HARDWICH'S CREEK	OCD42	C	4ACSR	0.09	7.05 LL00	117.46	113.88	113.43	
PL.8232	HARDWICH'S CREEK	OCD42	C	4ACSR	0.06	7.02 LL00	116.95	113.16	112.68	
PL.8233	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.02 LL00	116.95	113.16	112.68	
PL.8237	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.02 LL00	117.02	113.27	112.79	
PL.8240	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.02 LL00	117.05	113.30	112.83	
PL.8241	HARDWICH'S CREEK	OCD42	C	4ACSR	0.06	7.02 LL00	117.03	113.28	112.81	
PL.8242	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.03 LL00	117.11	113.39	112.92	
PL.8243	HARDWICH'S CREEK	OCD42	C	4ACSR	0.16	7.02 LL00	117.06	113.32	112.84	
PL.8244	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.03 LL00	117.12	113.40	112.93	
PL.8245	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.03 LL00	117.11	113.39	112.92	
PL.8246	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.02 LL00	116.97	113.19	112.71	
PL.8248	HARDWICH'S CREEK	OCD42	C	4ACSR	0.20	7.02 LL00	116.97	113.19	112.71	
PL.8249	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.02 LL00	116.97	113.19	112.71	
PL.12863	HARDWICH'S CREEK	OCD42	C	4ACSR	0.09	7.16 LL01-LL02	119.33	116.49	116.14	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.12864	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.13 LL01-LL02	118.88	115.86	115.49	
PL.12865	HARDWICH'S CREEK	OCD42	C	4ACSR	0.23	7.11 LL01-LL02	118.47	115.29	114.90	
PL.12866	HARDWICH'S CREEK	OCD42	C	4ACSR	0.10	7.10 LL01-LL02	118.31	115.07	114.67	
PL.12867	HARDWICH'S CREEK	OCD42	C	4ACSR	0.12	7.09 LL01-LL02	118.13	114.81	114.40	
PL.15204	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.09 LL01-LL02	118.13	114.81	114.40	
PL.15205	HARDWICH'S CREEK	OCD42	C	4ACSR	0.09	7.09 LL01-LL02	118.10	114.78	114.36	
PL.15206	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.10 LL01-LL02	118.31	115.07	114.67	
PL.15207	HARDWICH'S CREEK	OCD42	C	4ACSR	0.08	7.10 LL01-LL02	118.31	115.07	114.66	
PL.15208	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.11 LL01-LL02	118.47	115.29	114.89	
PL.15209	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.11 LL01-LL02	118.46	115.28	114.88	
PL.15210	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.13 LL01-LL02	118.88	115.86	115.49	
PL.15211	HARDWICH'S CREEK	OCD42	C	4ACSR	0.06	7.13 LL01-LL02	118.87	115.85	115.48	
PL.15214	HARDWICH'S CREEK	OCD42	C	4ACSR	0.16	7.22 LL01-LL02	120.27	117.80	117.50	
PL.15215	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.22 LL01-LL02	120.27	117.80	117.50	
PL.15216	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.22 LL01-LL02	120.27	117.80	117.50	
PL.15217	HARDWICH'S CREEK	OCD42	C	4ACSR	0.03	7.22 LL01-LL02	120.27	117.80	117.50	
PL.15218	HARDWICH'S CREEK	OCD42	C	4ACSR	0.58	7.22 LL01-LL02	120.27	117.80	117.50	
PL.15220	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.22 LL01-LL02	120.27	117.80	117.50	
PL.17438	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.22 LL01-LL02	120.27	117.80	117.50	
PL.17439	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.22 LL01-LL02	120.27	117.80	117.50	
PL.24470	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.10 LL01-LL02	118.31	115.07	114.66	
PL.24471	HARDWICH'S CREEK	OCD42	C	4ACSR	0.08	7.10 LL01-LL02	118.31	115.07	114.66	
PL.38992	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.18 LL01-LL02	119.69	117.00	116.67	
PL.4349	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.11 LL01-LL02	118.45	115.27	114.87	
PL.44162	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.18 LL01-LL02	119.66	116.96	116.63	
PL.44163	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.17 LL01-LL02	119.52	116.76	116.42	
PL.44165	HARDWICH'S CREEK	OCD42	C	4ACSR	0.11	7.22 LL01-LL02	120.27	117.80	117.50	
PL.44340	HARDWICH'S CREEK	OCD42	C	4ACSR	0.11	7.22 LL01-LL02	120.27	117.80	117.50	
PL.44343	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.22 LL01-LL02	120.27	117.81	117.51	
PL.44344	HARDWICH'S CREEK	OCD42	C	4ACSR	0.28	7.18 LL01-LL02	119.70	117.02	116.69	
PL.44348	HARDWICH'S CREEK	OCD42	C	4ACSR	0.22	7.22 LL01-LL02	120.27	117.81	117.51	
PL.4533	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.10 LL01-LL02	118.31	115.07	114.66	
PL.4536	HARDWICH'S CREEK	OCD42	C	4ACSR	0.02	7.11 LL01-LL02	118.45	115.27	114.87	
PL.4537	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.11 LL01-LL02	118.45	115.27	114.87	
PL.4538	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.11 LL01-LL02	118.45	115.27	114.87	
PL.4539	HARDWICH'S CREEK	OCD42	C	4ACSR	0.01	7.11 LL01-LL02	118.45	115.27	114.87	
PL.4540	HARDWICH'S CREEK	OCD42	C	4ACSR	0.11	7.11 LL01-LL02	118.46	115.28	114.88	
PL.4541	HARDWICH'S CREEK	OCD42	C	4ACSR	0.07	7.11 LL01-LL02	118.46	115.28	114.88	
PL.4542	HARDWICH'S CREEK	OCD42	C	4ACSR	0.09	7.09 LL01-LL02	118.09	114.77	114.35	

Winter_Low_Voltage

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
								JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.4543	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.09	LL01-LL02	118.10	114.77	114.35
PL.4544	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.09	LL01-LL02	118.09	114.77	114.35
PL.4696	HARDWICH'S CREEK	OCD42	C	4ACSR	0.16	7.10	LL01-LL02	118.30	115.05	114.65
PL.4697	HARDWICH'S CREEK	OCD42	C	4ACSR	0.17	7.10	LL01-LL02	118.30	115.06	114.66
PL.4698	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.10	LL01-LL02	118.30	115.06	114.66
PL.4699	HARDWICH'S CREEK	OCD42	C	4ACSR	0.10	7.10	LL01-LL02	118.30	115.06	114.65
PL.4700	HARDWICH'S CREEK	OCD42	C	4ACSR	0.00	7.10	LL01-LL02	118.31	115.07	114.66
PL.4701	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.10	LL01-LL02	118.31	115.07	114.66
PL.8222	HARDWICH'S CREEK	OCD42	C	4ACSR	0.19	7.14	LL01-LL02	118.96	115.99	115.62
PL.8223	HARDWICH'S CREEK	OCD42	C	4ACSR	0.04	7.13	LL01-LL02	118.87	115.85	115.47
PL.8224	HARDWICH'S CREEK	OCD42	C	4ACSR	0.05	7.13	LL01-LL02	118.87	115.85	115.47
PL.12405	MARIBA	MARIBA3	ABC	6ACWC	0.05	7.10	LL00	118.28	117.94	117.87
PL.12406	MARIBA	MARIBA3	ABC	6ACWC	0.10	7.09	LL00	118.17	117.83	117.75
PL.12407	MARIBA	MARIBA3	ABC	6ACWC	0.04	7.09	LL00	118.13	117.79	117.71
PL.12408	MARIBA	MARIBA3	AC	4ACSR	0.05	7.00	LL00	116.64	116.16	116.05
PL.12409	MARIBA	MARIBA3	AC	4ACSR	0.05	7.00	LL00	116.62	116.14	116.04
PL.12410	MARIBA	MARIBA3	ABC	6ACWC	0.10	7.11	LL00	118.55	118.21	118.14
PL.12511	MARIBA	MARIBA3	ABC	6ACWC	0.07	7.11	LL00	118.44	118.10	118.03
PL.12512	MARIBA	MARIBA3	A	1/0EPRJCN	0.10	7.03	LL00	117.13	116.44	116.29
PL.12513	MARIBA	MARIBA3	A	1/0EPRJCN	0.43	7.03	LL00	117.13	116.43	116.29
PL.16186	MARIBA	MARIBA3	ABC	6ACWC	0.05	7.08	LL00	118.08	117.73	117.66
PL.16187	MARIBA	MARIBA3	ABC	6ACWC	0.00	7.08	LL00	118.07	117.73	117.66
PL.16188	MARIBA	MARIBA3	A	4ACSR	0.01	7.01	LL00	116.85	116.15	116.00
PL.16190	MARIBA	MARIBA3	AC	4ACSR	0.03	7.00	LL00	116.60	116.12	116.01
PL.16191	MARIBA	MARIBA3	AC	4ACSR	0.01	7.00	LL00	116.62	116.13	116.03
PL.16192	MARIBA	MARIBA3	AC	4ACSR	0.02	7.00	LL00	116.61	116.12	116.02
PL.16193	MARIBA	MARIBA3	ABC	6ACWC	0.01	7.11	LL00	118.44	118.10	118.03
PL.16194	MARIBA	MARIBA3	ABC	6ACWC	0.03	7.11	LL00	118.42	118.09	118.01
PL.16195	MARIBA	MARIBA3	AC	4ACSR	0.07	7.04	LL00	117.35	116.88	116.78
PL.16196	MARIBA	MARIBA3	AC	4ACSR	0.01	7.04	LL00	117.35	116.88	116.78
PL.19852	MARIBA	MARIBA3	ABC	6ACWC	0.15	7.18	LL00	119.62	119.30	119.24
PL.20144	MARIBA	MARIBA3	ABC	6ACWC	0.03	7.17	LL00	119.58	119.26	119.19
PL.20145	MARIBA	MARIBA3	ABC	6ACWC	0.30	7.14	LL00	119.07	118.74	118.67
PL.20427	MARIBA	MARIBA3	ABC	6ACWC	0.03	7.09	LL00	118.11	117.76	117.69
PL.20428	MARIBA	MARIBA3	ABC	6ACWC	0.01	7.09	LL00	118.10	117.76	117.68
PL.20462	MARIBA	MARIBA3	A	4ACSR	0.01	7.03	LL00	117.15	116.46	116.31
PL.20463	MARIBA	MARIBA3	A	4ACSR	0.13	7.03	LL00	117.14	116.45	116.31
PL.26911	MARIBA	MARIBA3	ABC	6ACWC	0.01	7.11	LL00	118.43	118.09	118.02
PL.27598	MARIBA	MARIBA3	ABC	6ACWC	0.07	7.10	LL00	118.34	118.00	117.93

Winter_Low_Voltage

Section		Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	JAN05 Base								Base Volts	Base Volts	
								Volts (Bal)	(Bal)	(Bal)	
PL.27900	MARIBA	MARIBA3	ABC	6ACWC	0.04	7.14	LL00	119.00	118.67	118.60	
PL.27901	MARIBA	MARIBA3	ABC	6ACWC	0.02	7.14	LL00	118.98	118.65	118.58	
PL.28144	MARIBA	MARIBA3	ABC	6ACWC	0.12	7.13	LL00	118.77	118.44	118.37	
PL.28145	MARIBA	MARIBA3	ABC	6ACWC	0.03	7.12	LL00	118.72	118.38	118.31	
PL.32964	MARIBA	MARIBA3	A	4ACSR	0.03	7.01	LL00	116.84	116.14	115.99	
PL.41079	MARIBA	MARIBA3	ABC	2ACSR	0.04	7.08	LL00	118.07	117.73	117.66	
PL.45601	MARIBA	MARIBA3	A	4ACSR	0.01	7.01	LL00	116.85	116.14	116.00	
PL.5302	MARIBA	MARIBA3	A	4ACSR	0.05	7.00	LL00	116.64	115.94	115.79	
PL.5303	MARIBA	MARIBA3	A	4ACSR	0.04	7.00	LL00	116.64	115.94	115.79	
PL.5304	MARIBA	MARIBA3	ABC	6ACWC	0.04	7.09	LL00	118.10	117.76	117.68	
PL.5306	MARIBA	MARIBA3	A	4ACSR	0.23	7.03	LL00	117.14	116.44	116.29	
PL.5307	MARIBA	MARIBA3	C	4ACSR	0.02	6.96	LL00	116.03	115.75	115.70	
PL.5308	MARIBA	MARIBA3	A	1/0EPRJCN	0.09	7.03	LL00	117.13	116.44	116.29	
PL.8325	MARIBA	MARIBA3	AC	4ACSR	0.00	7.00	LL00	116.60	116.11	116.01	
PL.8326	MARIBA	MARIBA3	A	4ACSR	0.03	7.00	LL00	116.64	115.94	115.79	
PL.8327	MARIBA	MARIBA3	A	4ACSR	0.00	7.01	LL00	116.84	116.14	115.99	
PL.8328	MARIBA	MARIBA3	AC	4ACSR	0.00	7.00	LL00	116.60	116.12	116.01	
PL.8329	MARIBA	MARIBA3	AC	4ACSR	0.05	7.00	LL00	116.60	116.11	116.01	
PL.12403	MARIBA	MARIBA3	C	4ACSR	0.02	7.09	LL01-LL02	118.24	117.97	117.91	
PL.12404	MARIBA	MARIBA3	C	4ACSR	0.13	7.09	LL01-LL02	118.23	117.96	117.91	
PL.17825	MARIBA	MARIBA3	C	4ACSR	0.02	7.09	LL01-LL02	118.25	117.98	117.92	
PL.17826	MARIBA	MARIBA3	C	4ACSR	0.08	7.09	LL01-LL02	118.24	117.97	117.91	
PL.27968	MARIBA	MARIBA3	ABC	6ACWC	0.08	7.19	LL01-LL02	119.88	119.57	119.50	
PL.17823	MARIBA	MARIBA3	A	4ACSR	0.02	7.12	LL03-LL04	118.66	118.04	117.90	
PL.17824	MARIBA	MARIBA3	A	4ACSR	0.08	7.12	LL03-LL04	118.66	118.03	117.90	
PL.11162	MT. STERLING	MTSTRLG3	C	4ACSR	0.08	7.08	LL00	118.00	116.33	115.97	
PL.14232	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.08	LL00	118.00	116.33	115.97	
PL.16061	MT. STERLING	MTSTRLG3	C	4ACSR	0.14	7.02	LL00	116.98	115.19	114.81	
PL.16062	MT. STERLING	MTSTRLG3	C	4ACSR	0.16	7.02	LL00	116.92	115.11	114.73	
PL.16063	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.03	LL00	117.10	115.34	114.97	
PL.16064	MT. STERLING	MTSTRLG3	C	4ACSR	0.50	7.03	LL00	117.10	115.34	114.97	
PL.16065	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.08	LL00	117.97	116.41	116.08	
PL.16066	MT. STERLING	MTSTRLG3	C	4ACSR	0.12	7.07	LL00	117.88	116.29	115.96	
PL.25154	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.01	LL00	116.79	114.96	114.57	
PL.25155	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.01	LL00	116.79	114.96	114.57	
PL.25182	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.01	LL00	116.78	114.94	114.55	
PL.25183	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.01	LL00	116.78	114.94	114.55	
PL.25185	MT. STERLING	MTSTRLG3	C	4ACSR	0.14	7.01	LL00	116.77	114.93	114.54	
PL.25188	MT. STERLING	MTSTRLG3	C	4ACSR	0.11	7.01	LL00	116.76	114.91	114.52	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.26100	MT. STERLING	MTSTRLG3	C	4ACSR	0.27	7.06	LL00	117.67	116.04	115.70
PL.26101	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.06	LL00	117.62	115.98	115.63
PL.26102	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.05	LL00	117.52	115.86	115.50
PL.26103	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.05	LL00	117.47	115.79	115.44
PL.26104	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.05	LL00	117.43	115.75	115.39
PL.26105	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.03	LL00	117.10	115.34	114.97
PL.26106	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.02	LL00	117.06	115.29	114.91
PL.26107	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.02	LL00	117.04	115.26	114.88
PL.26108	MT. STERLING	MTSTRLG3	C	4ACSR	0.24	7.01	LL00	116.85	115.02	114.64
PL.26109	MT. STERLING	MTSTRLG3	C	4ACSR	0.14	7.01	LL00	116.81	114.98	114.59
PL.26110	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.01	LL00	116.79	114.96	114.57
PL.26111	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.01	LL00	116.78	114.94	114.55
PL.26112	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.01	LL00	116.77	114.94	114.55
PL.26113	MT. STERLING	MTSTRLG3	C	4ACSR	0.14	7.00	LL00	116.74	114.89	114.50
PL.26114	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.00	LL00	116.74	114.89	114.50
PL.26115	MT. STERLING	MTSTRLG3	C	4ACSR	0.12	7.00	LL00	116.74	114.89	114.50
PL.3792	MT. STERLING	MTSTRLG3	C	4ACSR	0.17	7.03	LL00	117.10	115.34	114.97
PL.3793	MT. STERLING	MTSTRLG3	C	4ACSR	0.31	7.03	LL00	117.10	115.34	114.97
PL.3794	MT. STERLING	MTSTRLG3	C	4ACSR	0.19	7.03	LL00	117.10	115.34	114.97
PL.3795	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.01	LL00	116.79	114.95	114.56
PL.3796	MT. STERLING	MTSTRLG3	C	4ACSR	0.12	7.01	LL00	116.81	114.98	114.59
PL.3797	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.01	LL00	116.84	115.02	114.63
PL.3798	MT. STERLING	MTSTRLG3	C	4ACSR	0.12	7.01	LL00	116.79	114.96	114.57
PL.3799	MT. STERLING	MTSTRLG3	C	4ACSR	0.17	7.01	LL00	116.76	114.92	114.53
PL.4075	MT. STERLING	MTSTRLG3	C	4ACSR	0.12	7.01	LL00	116.78	114.94	114.55
PL.4076	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.00	LL00	116.73	114.88	114.49
PL.4077	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.00	LL00	116.73	114.88	114.49
PL.4081	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.00	LL00	116.73	114.89	114.50
PL.4084	MT. STERLING	MTSTRLG3	C	4ACSR	0.30	7.01	LL00	116.77	114.93	114.54
PL.4112	MT. STERLING	MTSTRLG3	C	4ACSR	0.14	7.02	LL00	117.03	115.26	114.88
PL.4113	MT. STERLING	MTSTRLG3	C	4ACSR	0.11	7.02	LL00	117.03	115.25	114.88
PL.4114	MT. STERLING	MTSTRLG3	C	4ACSR	0.11	7.02	LL00	117.03	115.26	114.88
PL.4115	MT. STERLING	MTSTRLG3	C	4ACSR	0.31	7.03	LL00	117.10	115.34	114.97
PL.43796	MT. STERLING	MTSTRLG3	C	2ACSR	0.08	7.03	LL00	117.17	115.43	115.06
PL.4380	MT. STERLING	MTSTRLG3	C	4ACSR	0.11	7.06	LL00	117.67	116.04	115.70
PL.4381	MT. STERLING	MTSTRLG3	C	4ACSR	0.18	7.04	LL00	117.35	115.64	115.28
PL.4382	MT. STERLING	MTSTRLG3	C	4ACSR	0.11	7.05	LL00	117.46	115.78	115.43
PL.4383	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.02	LL00	117.03	115.25	114.88
PL.4384	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.04	LL00	117.35	115.64	115.28

Winter_Low_Voltage

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
								JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.4385	MT. STERLING	MTSTRLG3	C	4ACSR	0.14	7.02	LL00	117.03	115.25	114.88
PL.4386	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.02	LL00	117.03	115.26	114.88
PL.4387	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.02	LL00	117.03	115.25	114.88
PL.4401	MT. STERLING	MTSTRLG3	C	4ACSR	0.16	7.07	LL00	117.87	116.29	115.95
PL.4407	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.05	LL00	117.52	115.85	115.50
PL.7961	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.06	LL00	117.59	115.94	115.59
PL.7966	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.04	LL00	117.35	115.64	115.28
PL.7967	MT. STERLING	MTSTRLG3	C	4ACSR	0.29	7.03	LL00	117.17	115.43	115.06
PL.7968	MT. STERLING	MTSTRLG3	C	4ACSR	0.11	7.03	LL00	117.11	115.35	114.98
PL.7975	MT. STERLING	MTSTRLG3	C	4ACSR	0.40	7.06	LL00	117.67	116.04	115.70
PL.7976	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.06	LL00	117.67	116.04	115.70
PL.1055	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.09	LL01-LL02	118.12	116.56	116.23
PL.1056	MT. STERLING	MTSTRLG3	C	4ACSR	0.18	7.09	LL01-LL02	118.12	116.56	116.23
PL.1057	MT. STERLING	MTSTRLG3	C	4ACSR	0.34	7.09	LL01-LL02	118.13	116.58	116.25
PL.10631	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.13	LL01-LL02	118.78	117.03	116.66
PL.10632	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.13	LL01-LL02	118.82	117.07	116.70
PL.10633	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.13	LL01-LL02	118.80	117.05	116.68
PL.10634	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.12	LL01-LL02	118.60	116.80	116.42
PL.1064	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.09	LL01-LL02	118.19	116.65	116.32
PL.10694	MT. STERLING	MTSTRLG3	C	4ACSR	0.18	7.08	LL01-LL02	118.03	116.36	116.01
PL.11156	MT. STERLING	MTSTRLG3	B	4ACSR	0.39	7.11	LL01-LL02	118.48	116.65	116.27
PL.11157	MT. STERLING	MTSTRLG3	B	4ACSR	0.21	7.11	LL01-LL02	118.47	116.64	116.25
PL.11158	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.10	LL01-LL02	118.38	116.54	116.14
PL.11159	MT. STERLING	MTSTRLG3	B	4ACSR	0.14	7.10	LL01-LL02	118.38	116.54	116.14
PL.11161	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.08	LL01-LL02	118.00	116.33	115.97
PL.11163	MT. STERLING	MTSTRLG3	C	4ACSR	0.08	7.08	LL01-LL02	118.02	116.35	115.99
PL.11164	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.08	LL01-LL02	118.01	116.34	115.98
PL.11429	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.10	LL01-LL02	118.27	116.74	116.42
PL.11430	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.10	LL01-LL02	118.27	116.74	116.42
PL.11431	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.06	7.17	LL01-LL02	119.47	118.11	117.83
PL.11433	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.11	7.18	LL01-LL02	119.60	118.26	117.98
PL.11434	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.19	7.18	LL01-LL02	119.75	118.44	118.17
PL.11435	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.16	7.18	LL01-LL02	119.66	118.33	118.05
PL.11436	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.10	LL01-LL02	118.30	116.77	116.45
PL.11437	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.10	LL01-LL02	118.29	116.77	116.44
PL.11438	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.10	LL01-LL02	118.29	116.77	116.44
PL.11439	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.10	LL01-LL02	118.29	116.77	116.44
PL.11440	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.10	LL01-LL02	118.29	116.77	116.44
PL.11441	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.05	7.19	LL01-LL02	119.86	118.57	118.30

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.11442	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.05	7.19 LL01-LL02	119.88	118.60	118.33	
PL.11443	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.01	7.19 LL01-LL02	119.91	118.64	118.37	
PL.11444	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.11	7.20 LL01-LL02	120.00	118.74	118.48	
PL.11445	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.14	7.19 LL01-LL02	119.92	118.64	118.37	
PL.11446	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.06	7.20 LL01-LL02	120.06	118.82	118.56	
PL.11447	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.43	7.21 LL01-LL02	120.16	118.93	118.67	
PL.11452	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.01	7.23 LL01-LL02	120.51	119.35	119.11	
PL.11456	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.07	7.23 LL01-LL02	120.58	119.44	119.19	
PL.11457	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.02	7.23 LL01-LL02	120.57	119.42	119.18	
PL.11459	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.06	7.24 LL01-LL02	120.70	119.58	119.35	
PL.11460	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.02	7.24 LL01-LL02	120.68	119.56	119.33	
PL.11462	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.07	7.24 LL01-LL02	120.74	119.63	119.40	
PL.11465	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.15 LL01-LL02	119.14	117.73	117.43	
PL.11466	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.16 LL01-LL02	119.32	117.95	117.66	
PL.11467	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.16 LL01-LL02	119.28	117.90	117.61	
PL.11468	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.16 LL01-LL02	119.25	117.87	117.57	
PL.11469	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.14 LL01-LL02	118.95	117.49	117.19	
PL.11470	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.13 LL01-LL02	118.89	117.42	117.11	
PL.11471	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.12 LL01-LL02	118.62	117.09	116.77	
PL.11472	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.12 LL01-LL02	118.60	117.06	116.74	
PL.11473	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.11 LL01-LL02	118.52	116.97	116.64	
PL.11474	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.11 LL01-LL02	118.48	116.92	116.59	
PL.11475	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.11 LL01-LL02	118.44	116.87	116.53	
PL.11476	MT. STERLING	MTSTRLG3	C	4ACSR	0.20	7.10 LL01-LL02	118.29	116.68	116.34	
PL.11477	MT. STERLING	MTSTRLG3	C	4ACSR	0.26	7.09 LL01-LL02	118.18	116.55	116.20	
PL.11575	MT. STERLING	MTSTRLG3	C	4ACSR	0.47	7.09 LL01-LL02	118.15	116.60	116.27	
PL.11576	MT. STERLING	MTSTRLG3	C	4ACSR	0.08	7.09 LL01-LL02	118.14	116.59	116.26	
PL.11578	MT. STERLING	MTSTRLG3	ABC	4/0ACSR	0.15	7.17 LL01-LL02	119.50	118.14	117.86	
PL.11579	MT. STERLING	MTSTRLG3	ABC	4/0ACSR	0.03	7.17 LL01-LL02	119.50	118.14	117.86	
PL.11580	MT. STERLING	MTSTRLG3	ABC	4/0ACSR	0.15	7.17 LL01-LL02	119.50	118.14	117.86	
PL.11581	MT. STERLING	MTSTRLG3	ABC	4/0ACSR	0.04	7.17 LL01-LL02	119.50	118.15	117.86	
PL.11582	MT. STERLING	MTSTRLG3	ABC	4/0ACSR	0.10	7.17 LL01-LL02	119.50	118.15	117.86	
PL.11691	MT. STERLING	MTSTRLG3	A	4ACSR	0.06	7.15 LL01-LL02	119.22	117.92	117.65	
PL.11692	MT. STERLING	MTSTRLG3	A	4ACSR	0.03	7.15 LL01-LL02	119.22	117.92	117.65	
PL.11693	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.09	7.15 LL01-LL02	119.15	117.72	117.42	
PL.11696	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.17 LL01-LL02	119.46	117.87	117.53	
PL.11697	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.16 LL01-LL02	119.36	117.75	117.40	
PL.11698	MT. STERLING	MTSTRLG3	B	4ACSR	0.15	7.15 LL01-LL02	119.13	117.46	117.11	
PL.11699	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.16 LL01-LL02	119.36	117.74	117.40	

Winter_Low_Voltage

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
								JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.1287	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.10	LL01-LL02	118.27	116.75	116.42
PL.1301	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.09	LL01-LL02	118.13	116.58	116.25
PL.1302	MT. STERLING	MTSTRLG3	C	4ACSR	0.08	7.09	LL01-LL02	118.13	116.58	116.25
PL.1323	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.14	LL01-LL02	118.94	117.48	117.17
PL.1325	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.09	LL01-LL02	118.13	116.58	116.25
PL.1466	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.10	LL01-LL02	118.40	116.89	116.57
PL.1470	MT. STERLING	MTSTRLG3	B	4ACSR	0.07	7.13	LL01-LL02	118.89	117.17	116.80
PL.1516	MT. STERLING	MTSTRLG3	B	4ACSR	0.01	7.10	LL01-LL02	118.36	116.51	116.12
PL.1519	MT. STERLING	MTSTRLG3	B	4ACSR	0.05	7.14	LL01-LL02	118.92	117.21	116.84
PL.1524	MT. STERLING	MTSTRLG3	C	4ACSR	0.14	7.09	LL01-LL02	118.12	116.56	116.23
PL.1540	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.11	LL01-LL02	118.46	116.63	116.24
PL.1541	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.11	LL01-LL02	118.46	116.63	116.24
PL.1542	MT. STERLING	MTSTRLG3	B	4ACSR	0.15	7.11	LL01-LL02	118.46	116.63	116.24
PL.1543	MT. STERLING	MTSTRLG3	B	4ACSR	0.12	7.11	LL01-LL02	118.46	116.63	116.24
PL.1544	MT. STERLING	MTSTRLG3	B	4ACSR	0.09	7.10	LL01-LL02	118.40	116.55	116.16
PL.1545	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.11	LL01-LL02	118.42	116.58	116.19
PL.16405	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.08	LL01-LL02	118.03	116.36	116.01
PL.16406	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.08	LL01-LL02	118.03	116.36	116.01
PL.16407	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.09	LL01-LL02	118.14	116.50	116.15
PL.16408	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.09	LL01-LL02	118.14	116.50	116.15
PL.16409	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.09	LL01-LL02	118.16	116.52	116.17
PL.16410	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.09	LL01-LL02	118.15	116.51	116.16
PL.16411	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.11	LL01-LL02	118.48	116.91	116.58
PL.16412	MT. STERLING	MTSTRLG3	C	4ACSR	0.16	7.11	LL01-LL02	118.45	116.88	116.54
PL.16413	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.14	LL01-LL02	118.95	117.49	117.18
PL.16414	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.14	LL01-LL02	118.95	117.49	117.18
PL.16467	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.08	LL01-LL02	118.01	116.46	116.13
PL.16468	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.08	LL01-LL02	118.00	116.45	116.12
PL.16471	MT. STERLING	MTSTRLG3	A	4ACSR	0.01	7.15	LL01-LL02	119.24	117.95	117.67
PL.16472	MT. STERLING	MTSTRLG3	A	4ACSR	0.09	7.15	LL01-LL02	119.23	117.93	117.66
PL.16473	MT. STERLING	MTSTRLG3	A	4ACSR	0.01	7.15	LL01-LL02	119.24	117.95	117.68
PL.16474	MT. STERLING	MTSTRLG3	A	4ACSR	0.03	7.15	LL01-LL02	119.23	117.94	117.67
PL.16475	MT. STERLING	MTSTRLG3	A	4ACSR	0.01	7.15	LL01-LL02	119.24	117.96	117.68
PL.16476	MT. STERLING	MTSTRLG3	A	4ACSR	0.05	7.15	LL01-LL02	119.24	117.95	117.68
PL.16477	MT. STERLING	MTSTRLG3	B	4ACSR	0.01	7.14	LL01-LL02	119.07	117.39	117.03
PL.16478	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.13	LL01-LL02	118.78	117.03	116.66
PL.16479	MT. STERLING	MTSTRLG3	B	4ACSR	0.01	7.13	LL01-LL02	118.78	117.03	116.66
PL.16480	MT. STERLING	MTSTRLG3	B	4ACSR	0.02	7.13	LL01-LL02	118.77	117.02	116.65
PL.16481	MT. STERLING	MTSTRLG3	B	4ACSR	0.10	7.12	LL01-LL02	118.73	116.96	116.59

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.16682	MT. STERLING	MTSTRLG3	B	4ACSR	0.00	7.10 LL01-LL02	118.38	116.54	116.14	
PL.16683	MT. STERLING	MTSTRLG3	B	4ACSR	0.12	7.10 LL01-LL02	118.36	116.51	116.12	
PL.16708	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.09 LL01-LL02	118.20	116.66	116.34	
PL.16709	MT. STERLING	MTSTRLG3	C	4ACSR	0.14	7.09 LL01-LL02	118.19	116.65	116.32	
PL.16745	MT. STERLING	MTSTRLG3	C	4ACSR	0.26	7.10 LL01-LL02	118.31	116.78	116.46	
PL.16746	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.10 LL01-LL02	118.41	116.90	116.58	
PL.16747	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.10 LL01-LL02	118.41	116.90	116.58	
PL.16920	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.11	7.16 LL01-LL02	119.38	118.00	117.71	
PL.16921	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.10 LL01-LL02	118.29	116.76	116.44	
PL.16922	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.10 LL01-LL02	118.28	116.75	116.42	
PL.16923	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.10 LL01-LL02	118.33	116.82	116.49	
PL.17902	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.01	7.24 LL01-LL02	120.68	119.56	119.32	
PL.17903	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.07	7.24 LL01-LL02	120.63	119.50	119.26	
PL.17984	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.07	7.17 LL01-LL02	119.44	118.07	117.78	
PL.17985	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.01	7.17 LL01-LL02	119.43	118.07	117.78	
PL.18379	MT. STERLING	MTSTRLG3	C	4ACSR	0.17	7.09 LL01-LL02	118.14	116.58	116.25	
PL.18380	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.09 LL01-LL02	118.13	116.58	116.25	
PL.19357	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.14 LL01-LL02	118.97	117.26	116.90	
PL.19358	MT. STERLING	MTSTRLG3	B	4ACSR	0.07	7.13 LL01-LL02	118.92	117.20	116.83	
PL.19457	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.14 LL01-LL02	119.05	117.36	117.00	
PL.19458	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.14 LL01-LL02	119.01	117.31	116.95	
PL.25056	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.09	7.15 LL01-LL02	119.25	117.84	117.55	
PL.25057	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.09	7.15 LL01-LL02	119.20	117.79	117.49	
PL.25058	MT. STERLING	MTSTRLG3	B	4ACSR	0.09	7.17 LL01-LL02	119.56	117.99	117.65	
PL.25059	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.10 LL01-LL02	118.36	116.51	116.11	
PL.25157	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.14 LL01-LL02	118.94	117.48	117.17	
PL.25158	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.13 LL01-LL02	118.81	117.32	117.01	
PL.25159	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.12 LL01-LL02	118.75	117.25	116.93	
PL.25160	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.13 LL01-LL02	118.88	117.41	117.10	
PL.25161	MT. STERLING	MTSTRLG3	C	4ACSR	0.16	7.11 LL01-LL02	118.53	117.04	116.73	
PL.25162	MT. STERLING	MTSTRLG3	C	4ACSR	0.23	7.11 LL01-LL02	118.52	117.03	116.71	
PL.25179	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.09 LL01-LL02	118.15	116.51	116.16	
PL.25180	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.09 LL01-LL02	118.15	116.51	116.16	
PL.25970	MT. STERLING	MTSTRLG3	B	4ACSR	0.07	7.10 LL01-LL02	118.35	116.49	116.10	
PL.25971	MT. STERLING	MTSTRLG3	B	4ACSR	0.19	7.11 LL01-LL02	118.46	116.63	116.24	
PL.25972	MT. STERLING	MTSTRLG3	B	4ACSR	0.29	7.11 LL01-LL02	118.46	116.63	116.24	
PL.2598	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.11 LL01-LL02	118.44	116.87	116.53	
PL.26089	MT. STERLING	MTSTRLG3	B	4ACSR	0.05	7.14 LL01-LL02	118.96	117.25	116.88	
PL.26090	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.14 LL01-LL02	118.94	117.23	116.87	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.26091	MT. STERLING	MTSTRLG3	B	4ACSR	0.11	7.14	LL01-LL02	118.93	117.21	116.84
PL.26092	MT. STERLING	MTSTRLG3	B	4ACSR	0.21	7.13	LL01-LL02	118.89	117.17	116.80
PL.26093	MT. STERLING	MTSTRLG3	B	4ACSR	0.00	7.13	LL01-LL02	118.89	117.17	116.80
PL.26095	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.13	LL01-LL02	118.88	117.16	116.79
PL.26096	MT. STERLING	MTSTRLG3	B	4ACSR	0.10	7.14	LL01-LL02	119.04	117.35	116.99
PL.27251	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.09	7.21	LL01-LL02	120.10	118.86	118.60
PL.27252	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.00	7.21	LL01-LL02	120.10	118.86	118.60
PL.27255	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.11	LL01-LL02	118.55	117.07	116.75
PL.27256	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.11	LL01-LL02	118.55	117.06	116.75
PL.27257	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.11	LL01-LL02	118.53	117.04	116.72
PL.27258	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.11	LL01-LL02	118.53	117.04	116.72
PL.27783	MT. STERLING	MTSTRLG3	ABC	4/0ACSR	0.38	7.17	LL01-LL02	119.50	118.14	117.85
PL.29337	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.10	LL01-LL02	118.27	116.66	116.31
PL.29338	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.10	LL01-LL02	118.28	116.67	116.33
PL.29367	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.11	LL01-LL02	118.44	116.86	116.53
PL.30771	MT. STERLING	MTSTRLG3	B	4ACSR	0.23	7.13	LL01-LL02	118.88	117.15	116.78
PL.30772	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.13	LL01-LL02	118.89	117.16	116.79
PL.30773	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.13	LL01-LL02	118.89	117.16	116.79
PL.30811	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.07	7.15	LL01-LL02	119.12	117.70	117.40
PL.31468	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.10	LL01-LL02	118.35	116.49	116.10
PL.31469	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.10	LL01-LL02	118.35	116.50	116.11
PL.31470	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.10	LL01-LL02	118.35	116.50	116.10
PL.33875	MT. STERLING	MTSTRLG3	C	2ACSR	0.05	7.10	LL01-LL02	118.38	116.80	116.46
PL.3411	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.10	LL01-LL02	118.26	116.65	116.31
PL.3414	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.08	LL01-LL02	118.03	116.36	116.00
PL.3415	MT. STERLING	MTSTRLG3	C	4ACSR	0.12	7.08	LL01-LL02	118.06	116.40	116.05
PL.3468	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.11	LL01-LL02	118.44	116.87	116.53
PL.3469	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.12	LL01-LL02	118.60	117.06	116.74
PL.3470	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.11	LL01-LL02	118.52	116.97	116.64
PL.3471	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.10	LL01-LL02	118.27	116.66	116.31
PL.3472	MT. STERLING	MTSTRLG3	C	4ACSR	0.13	7.10	LL01-LL02	118.28	116.67	116.33
PL.3473	MT. STERLING	MTSTRLG3	C	4ACSR	0.08	7.10	LL01-LL02	118.38	116.80	116.46
PL.3474	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.10	LL01-LL02	118.27	116.66	116.32
PL.3475	MT. STERLING	MTSTRLG3	C	4ACSR	0.16	7.09	LL01-LL02	118.16	116.52	116.17
PL.34988	MT. STERLING	MTSTRLG3	B	2ACSR	0.05	7.10	LL01-LL02	118.38	116.53	116.14
PL.34989	MT. STERLING	MTSTRLG3	B	2ACSR	0.05	7.10	LL01-LL02	118.38	116.53	116.14
PL.34990	MT. STERLING	MTSTRLG3	B	1/0EPRJCN	0.00	7.10	LL01-LL02	118.38	116.53	116.14
PL.34991	MT. STERLING	MTSTRLG3	B	1/0EPRJCN	0.05	7.10	LL01-LL02	118.38	116.53	116.14
PL.39239	MT. STERLING	MTSTRLG3	B	2ACSR	0.08	7.10	LL01-LL02	118.38	116.53	116.14

Winter_Low_Voltage

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
								JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.39240	MT. STERLING	MTSTRLG3	B	1/0EPRJCN	0.08	7.10	LL01-LL02	118.38	116.53	116.14
PL.39662	MT. STERLING	MTSTRLG3	C	2ACSR	0.24	7.11	LL01-LL02	118.52	117.02	116.71
PL.3984	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.11	LL01-LL02	118.44	116.87	116.54
PL.4020	MT. STERLING	MTSTRLG3	B	4ACSR	0.05	7.12	LL01-LL02	118.60	116.80	116.42
PL.4056	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.08	LL01-LL02	118.06	116.40	116.05
PL.40645	MT. STERLING	MTSTRLG3	B	2ACSR	0.05	7.10	LL01-LL02	118.38	116.53	116.14
PL.40646	MT. STERLING	MTSTRLG3	B	1/0EPRJCN	0.06	7.10	LL01-LL02	118.38	116.53	116.14
PL.4087	MT. STERLING	MTSTRLG3	C	4ACSR	0.17	7.11	LL01-LL02	118.54	117.05	116.73
PL.4104	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.11	LL01-LL02	118.54	117.05	116.74
PL.4105	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.11	LL01-LL02	118.54	117.05	116.73
PL.4126	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.09	LL01-LL02	118.15	116.51	116.16
PL.41269	MT. STERLING	MTSTRLG3	B	4ACSR	0.09	7.13	LL01-LL02	118.78	117.03	116.66
PL.4127	MT. STERLING	MTSTRLG3	C	4ACSR	0.15	7.08	LL01-LL02	118.03	116.36	116.01
PL.4367	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.10	LL01-LL02	118.27	116.74	116.42
PL.4368	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.10	LL01-LL02	118.30	116.78	116.45
PL.4369	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.10	LL01-LL02	118.30	116.78	116.45
PL.4370	MT. STERLING	MTSTRLG3	B	4ACSR	0.02	7.12	LL01-LL02	118.60	116.80	116.42
PL.4371	MT. STERLING	MTSTRLG3	B	4ACSR	0.11	7.12	LL01-LL02	118.66	116.88	116.51
PL.4372	MT. STERLING	MTSTRLG3	A	4ACSR	0.06	7.15	LL01-LL02	119.22	117.93	117.66
PL.4373	MT. STERLING	MTSTRLG3	B	4ACSR	0.12	7.14	LL01-LL02	118.94	117.23	116.86
PL.4374	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.14	LL01-LL02	118.94	117.22	116.86
PL.4375	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.14	LL01-LL02	118.93	117.22	116.85
PL.4376	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.14	LL01-LL02	118.93	117.21	116.85
PL.4377	MT. STERLING	MTSTRLG3	B	4ACSR	0.02	7.14	LL01-LL02	118.93	117.21	116.85
PL.4378	MT. STERLING	MTSTRLG3	B	4ACSR	0.05	7.14	LL01-LL02	118.93	117.21	116.85
PL.4390	MT. STERLING	MTSTRLG3	A	4ACSR	0.07	7.15	LL01-LL02	119.18	117.88	117.61
PL.4391	MT. STERLING	MTSTRLG3	A	4ACSR	0.08	7.15	LL01-LL02	119.18	117.88	117.61
PL.4393	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.13	LL01-LL02	118.81	117.07	116.70
PL.4394	MT. STERLING	MTSTRLG3	B	4ACSR	0.09	7.13	LL01-LL02	118.86	117.12	116.75
PL.4395	MT. STERLING	MTSTRLG3	B	4ACSR	0.10	7.13	LL01-LL02	118.87	117.14	116.77
PL.4396	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.13	LL01-LL02	118.87	117.14	116.77
PL.4397	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.15	LL01-LL02	119.13	117.46	117.11
PL.4398	MT. STERLING	MTSTRLG3	B	4ACSR	0.07	7.14	LL01-LL02	118.94	117.23	116.87
PL.4399	MT. STERLING	MTSTRLG3	B	4ACSR	0.09	7.14	LL01-LL02	118.94	117.23	116.87
PL.4400	MT. STERLING	MTSTRLG3	B	4ACSR	0.13	7.16	LL01-LL02	119.36	117.74	117.40
PL.4402	MT. STERLING	MTSTRLG3	A	4ACSR	0.04	7.15	LL01-LL02	119.21	117.92	117.65
PL.4403	MT. STERLING	MTSTRLG3	B	4ACSR	0.13	7.13	LL01-LL02	118.87	117.14	116.77
PL.44193	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.02	7.23	LL01-LL02	120.55	119.41	119.16
PL.44194	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.05	7.23	LL01-LL02	120.51	119.36	119.12

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.44345	MT. STERLING	MTSTRLG3	C	2ACSR	0.03	7.16 LL01-LL02	119.25	117.87	117.57	
PL.45142	MT. STERLING	MTSTRLG3	B	2ACSR	0.11	7.14 LL01-LL02	118.92	117.21	116.84	
PL.45221	MT. STERLING	MTSTRLG3	B	4ACSR	0.22	7.10 LL01-LL02	118.38	116.54	116.14	
PL.45222	MT. STERLING	MTSTRLG3	B	4ACSR	0.05	7.10 LL01-LL02	118.38	116.54	116.14	
PL.45300	MT. STERLING	MTSTRLG3	C	4ACSR	0.23	7.08 LL01-LL02	118.08	116.43	116.08	
PL.45301	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.08 LL01-LL02	118.07	116.41	116.06	
PL.45948	MT. STERLING	MTSTRLG3	C	4ACSR	0.29	7.09 LL01-LL02	118.12	116.57	116.24	
PL.46510	MT. STERLING	MTSTRLG3	B	4ACSR	0.01	7.11 LL01-LL02	118.48	116.65	116.26	
PL.46511	MT. STERLING	MTSTRLG3	B	4ACSR	0.12	7.11 LL01-LL02	118.44	116.61	116.22	
PL.5078	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.10 LL01-LL02	118.40	116.90	116.58	
PL.5754	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.04	7.16 LL01-LL02	119.36	117.98	117.68	
PL.5755	MT. STERLING	MTSTRLG3	ABC	4/0ACSR	0.19	7.17 LL01-LL02	119.50	118.14	117.85	
PL.5756	MT. STERLING	MTSTRLG3	C	4ACSR	0.28	7.09 LL01-LL02	118.12	116.56	116.23	
PL.5757	MT. STERLING	MTSTRLG3	C	4ACSR	0.15	7.09 LL01-LL02	118.12	116.56	116.23	
PL.5758	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.09 LL01-LL02	118.12	116.56	116.23	
PL.5759	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.17	7.17 LL01-LL02	119.50	118.15	117.86	
PL.5885	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.10	7.23 LL01-LL02	120.44	119.27	119.03	
PL.5904	MT. STERLING	MTSTRLG3	C	4ACSR	0.06	7.11 LL01-LL02	118.55	117.06	116.74	
PL.5905	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.11 LL01-LL02	118.54	117.05	116.74	
PL.5911	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.13 LL01-LL02	118.77	117.32	117.01	
PL.5912	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.13 LL01-LL02	118.77	117.32	117.01	
PL.61	MT. STERLING	MTSTRLG3	C	4ACSR	0.09	7.14 LL01-LL02	118.99	117.55	117.24	
PL.7539	MT. STERLING	MTSTRLG3	C	4ACSR	0.04	7.15 LL01-LL02	119.09	117.67	117.37	
PL.7610	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.12 LL01-LL02	118.73	117.23	116.91	
PL.7611	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.12 LL01-LL02	118.71	117.19	116.87	
PL.7833	MT. STERLING	MTSTRLG3	C	4ACSR	0.10	7.10 LL01-LL02	118.39	116.80	116.46	
PL.7834	MT. STERLING	MTSTRLG3	C	4ACSR	0.16	7.09 LL01-LL02	118.14	116.50	116.15	
PL.7840	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.11 LL01-LL02	118.45	116.88	116.54	
PL.7946	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.12 LL01-LL02	118.67	116.89	116.51	
PL.7947	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.12 LL01-LL02	118.69	116.92	116.55	
PL.7948	MT. STERLING	MTSTRLG3	B	4ACSR	0.05	7.12 LL01-LL02	118.67	116.89	116.51	
PL.7949	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.12 LL01-LL02	118.66	116.88	116.51	
PL.7950	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.13 LL01-LL02	118.86	117.13	116.76	
PL.7951	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.13 LL01-LL02	118.88	117.15	116.78	
PL.7954	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.14 LL01-LL02	119.04	117.35	116.99	
PL.7955	MT. STERLING	MTSTRLG3	B	4ACSR	0.06	7.14 LL01-LL02	119.04	117.35	116.99	
PL.7956	MT. STERLING	MTSTRLG3	B	4ACSR	0.02	7.15 LL01-LL02	119.12	117.45	117.09	
PL.7957	MT. STERLING	MTSTRLG3	B	4ACSR	0.09	7.14 LL01-LL02	119.08	117.39	117.04	
PL.7958	MT. STERLING	MTSTRLG3	A	4ACSR	0.05	7.15 LL01-LL02	119.22	117.93	117.66	

Winter_Low_Voltage

Section					Length	Primary		EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name	Feeder Name	Phasing	Equipment	(Miles)	kV (Bal)	Timing	JAN05 Base	Base Volts	Base Volts
								Volts (Bal)	(Bal)	(Bal)
PL.7959	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.06	7.15	LL01-LL02	119.18	117.76	117.46
PL.7960	MT. STERLING	MTSTRLG3	A	4ACSR	0.05	7.15	LL01-LL02	119.22	117.92	117.65
PL.7962	MT. STERLING	MTSTRLG3	A	4ACSR	0.07	7.15	LL01-LL02	119.20	117.90	117.63
PL.7963	MT. STERLING	MTSTRLG3	A	4ACSR	0.06	7.15	LL01-LL02	119.19	117.89	117.62
PL.7964	MT. STERLING	MTSTRLG3	A	4ACSR	0.05	7.15	LL01-LL02	119.18	117.88	117.61
PL.7965	MT. STERLING	MTSTRLG3	A	4ACSR	0.05	7.15	LL01-LL02	119.18	117.88	117.60
PL.7970	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.14	7.16	LL01-LL02	119.29	117.89	117.60
PL.7971	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.10	LL01-LL02	118.29	116.76	116.44
PL.7972	MT. STERLING	MTSTRLG3	C	4ACSR	0.00	7.10	LL01-LL02	118.29	116.76	116.44
PL.7973	MT. STERLING	MTSTRLG3	B	4ACSR	0.14	7.12	LL01-LL02	118.62	116.83	116.45
PL.7974	MT. STERLING	MTSTRLG3	B	4ACSR	0.03	7.12	LL01-LL02	118.61	116.82	116.43
PL.7979	MT. STERLING	MTSTRLG3	B	4ACSR	0.14	7.14	LL01-LL02	118.95	117.23	116.87
PL.7980	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.17	LL01-LL02	119.46	117.87	117.53
PL.7981	MT. STERLING	MTSTRLG3	B	4ACSR	0.02	7.14	LL01-LL02	118.94	117.23	116.86
PL.7982	MT. STERLING	MTSTRLG3	B	4ACSR	0.08	7.14	LL01-LL02	118.98	117.27	116.91
PL.8012	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.11	LL01-LL02	118.43	116.60	116.21
PL.8013	MT. STERLING	MTSTRLG3	B	4ACSR	0.04	7.11	LL01-LL02	118.42	116.59	116.20
PL.8390	MT. STERLING	MTSTRLG3	C	4ACSR	0.11	7.09	LL01-LL02	118.12	116.56	116.23
PL.8391	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.09	LL01-LL02	118.12	116.56	116.23
PL.1058	MT. STERLING	MTSTRLG3	A	4ACSR	0.08	7.17	LL03-LL04	119.48	118.23	117.96
PL.1059	MT. STERLING	MTSTRLG3	A	4ACSR	0.06	7.17	LL03-LL04	119.47	118.22	117.96
PL.1063	MT. STERLING	MTSTRLG3	A	4ACSR	0.03	7.17	LL03-LL04	119.47	118.22	117.96
PL.1065	MT. STERLING	MTSTRLG3	A	4ACSR	0.03	7.17	LL03-LL04	119.49	118.24	117.98
PL.11432	MT. STERLING	MTSTRLG3	A	4ACSR	0.07	7.17	LL03-LL04	119.45	118.20	117.94
PL.11461	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.07	7.25	LL03-LL04	120.79	119.69	119.46
PL.11463	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.17	LL03-LL04	119.42	118.07	117.79
PL.11464	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.16	LL03-LL04	119.42	118.07	117.78
PL.11695	MT. STERLING	MTSTRLG3	B	4ACSR	0.18	7.18	LL03-LL04	119.70	118.16	117.83
PL.1324	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.16	LL03-LL04	119.41	118.07	117.78
PL.1469	MT. STERLING	MTSTRLG3	A	4ACSR	0.08	7.17	LL03-LL04	119.45	118.20	117.94
PL.16710	MT. STERLING	MTSTRLG3	A	4ACSR	0.01	7.17	LL03-LL04	119.48	118.23	117.97
PL.16711	MT. STERLING	MTSTRLG3	A	4ACSR	0.08	7.17	LL03-LL04	119.47	118.22	117.96
PL.16712	MT. STERLING	MTSTRLG3	A	4ACSR	0.00	7.17	LL03-LL04	119.48	118.24	117.97
PL.16917	MT. STERLING	MTSTRLG3	A	4ACSR	0.11	7.17	LL03-LL04	119.48	118.23	117.97
PL.16918	MT. STERLING	MTSTRLG3	A	4ACSR	0.01	7.17	LL03-LL04	119.49	118.24	117.98
PL.16919	MT. STERLING	MTSTRLG3	A	4ACSR	0.01	7.17	LL03-LL04	119.49	118.24	117.98
PL.17271	MT. STERLING	MTSTRLG3	A	4ACSR	0.01	7.17	LL03-LL04	119.47	118.21	117.95
PL.17272	MT. STERLING	MTSTRLG3	A	4ACSR	0.06	7.17	LL03-LL04	119.46	118.21	117.94
PL.17759	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.17	LL03-LL04	119.50	118.18	117.90

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.17760	MT. STERLING	MTSTRLG3	C	4ACSR	0.02	7.17	LL03-LL04	119.48	118.15	117.86
PL.17761	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.17	LL03-LL04	119.42	118.07	117.79
PL.27291	MT. STERLING	MTSTRLG3	C	4ACSR	0.03	7.17	LL03-LL04	119.42	118.07	117.78
PL.27537	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.16	LL03-LL04	119.41	118.07	117.78
PL.27538	MT. STERLING	MTSTRLG3	C	4ACSR	0.01	7.17	LL03-LL04	119.42	118.07	117.79
PL.31449	MT. STERLING	MTSTRLG3	C	4ACSR	0.07	7.16	LL03-LL04	119.41	118.07	117.78
PL.31450	MT. STERLING	MTSTRLG3	C	4ACSR	0.05	7.16	LL03-LL04	119.41	118.07	117.78
PL.7537	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.05	7.25	LL03-LL04	120.90	119.83	119.60
PL.7538	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.08	7.25	LL03-LL04	120.84	119.76	119.52
PL.7540	MT. STERLING	MTSTRLG3	ABC	1/0ACSR	0.13	7.26	LL03-LL04	120.94	119.88	119.65
PL.11490	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.12	7.05	LL00	117.53	115.56	115.14
PL.11491	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.05	LL00	117.50	115.51	115.09
PL.11492	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.05	LL00	117.44	115.45	115.02
PL.11493	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.02	7.06	LL00	117.74	115.82	115.41
PL.11494	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.06	LL00	117.74	115.81	115.40
PL.11495	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.06	LL00	117.67	115.72	115.31
PL.11896	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	6.96	LL00	116.00	113.67	113.18
PL.11897	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	6.96	LL00	116.02	113.69	113.20
PL.11898	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	6.96	LL00	116.02	113.69	113.20
PL.11906	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	6.97	LL00	116.14	113.84	113.36
PL.11907	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.13	6.97	LL00	116.14	113.84	113.35
PL.11909	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	6.97	LL00	116.19	113.91	113.42
PL.11910	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	6.97	LL00	116.22	113.93	113.45
PL.11911	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.17	6.98	LL00	116.35	114.10	113.62
PL.12187	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.08	7.24	LL00	120.70	119.50	119.25
PL.12278	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.03	LL00	117.19	115.14	114.70
PL.12279	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.22	7.02	LL00	117.04	114.95	114.51
PL.12280	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.03	LL00	117.16	115.10	114.66
PL.12281	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.03	LL00	117.16	115.10	114.66
PL.12282	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.13	7.02	LL00	116.94	114.83	114.39
PL.12283	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.14	7.01	LL00	116.88	114.76	114.31
PL.12285	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.01	LL00	116.86	114.73	114.27
PL.15650	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.09	7.04	LL00	117.36	115.35	114.92
PL.15651	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.04	LL00	117.31	115.29	114.86
PL.19554	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.11	6.96	LL00	116.06	113.74	113.25
PL.19555	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	6.96	LL00	116.04	113.72	113.23
PL.19990	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.03	LL00	117.22	115.17	114.73
PL.20054	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	6.98	LL00	116.32	114.06	113.59
PL.20489	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	6.99	LL00	116.48	114.26	113.79

Winter_Low_Voltage

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
								JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.20490	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.01	LL00	116.83	114.69	114.24
PL.20492	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.02	LL00	116.94	114.83	114.38
PL.20493	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.02	LL00	116.94	114.83	114.38
PL.20494	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.02	LL00	116.94	114.83	114.38
PL.20495	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.02	LL00	116.93	114.82	114.37
PL.20645	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	7.01	LL00	116.83	114.69	114.24
PL.20646	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.12	7.01	LL00	116.84	114.71	114.25
PL.20647	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	7.01	LL00	116.83	114.70	114.24
PL.21404	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.03	LL00	117.16	115.10	114.66
PL.21405	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	7.03	LL00	117.15	115.09	114.65
PL.21580	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	6.97	LL00	116.24	113.97	113.48
PL.21949	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	7.03	LL00	117.15	115.09	114.65
PL.21951	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.02	LL00	116.94	114.83	114.38
PL.22185	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	6.99	LL00	116.50	114.29	113.82
PL.22186	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.15	6.99	LL00	116.48	114.26	113.79
PL.22668	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.07	7.19	LL00	119.88	118.52	118.24
PL.22975	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	6.97	LL00	116.21	113.93	113.44
PL.22976	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	6.97	LL00	116.14	113.84	113.35
PL.22977	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	6.97	LL00	116.13	113.83	113.35
PL.22978	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	6.99	LL00	116.48	114.26	113.79
PL.22980	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.02	LL00	116.94	114.83	114.38
PL.22981	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.02	LL00	116.94	114.83	114.38
PL.22982	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.02	LL00	116.94	114.83	114.38
PL.22983	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.02	LL00	117.06	114.98	114.54
PL.22984	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.02	LL00	117.06	114.98	114.54
PL.24956	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	7.02	LL00	117.00	114.90	114.45
PL.24957	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.01	LL00	116.92	114.80	114.35
PL.24978	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	7.07	LL00	117.77	115.85	115.45
PL.24980	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.06	LL00	117.73	115.80	115.39
PL.25631	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.39	7.19	LL00	119.84	118.48	118.19
PL.25632	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.08	7.19	LL00	119.84	118.48	118.19
PL.25633	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.09	7.19	LL00	119.84	118.48	118.19
PL.25634	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.06	7.19	LL00	119.87	118.51	118.23
PL.25635	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.22	7.19	LL00	119.85	118.49	118.20
PL.26121	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.15	7.03	LL00	117.20	115.15	114.72
PL.26122	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	7.03	LL00	117.11	115.04	114.60
PL.26123	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.01	LL00	116.86	114.73	114.28
PL.26124	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.01	LL00	116.81	114.67	114.21
PL.26125	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.02	LL00	117.06	114.98	114.54

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.26126	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.11	7.02 LL00	116.93	114.81	114.37	
PL.26127	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.26	6.99 LL00	116.54	114.33	113.86	
PL.26129	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	6.99 LL00	116.45	114.23	113.75	
PL.26130	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	6.99 LL00	116.49	114.27	113.80	
PL.27478	REID VILLAGE	RDVILLAGE1	B	1/0EPRJCN	0.05	7.05 LL00	117.49	115.51	115.09	
PL.28464	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.05 LL00	117.49	115.50	115.08	
PL.28465	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.06 LL00	117.66	115.72	115.31	
PL.28473	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.00	7.19 LL00	119.88	118.53	118.25	
PL.28606	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.12	6.97 LL00	116.13	113.83	113.34	
PL.28610	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.26	6.96 LL00	115.96	113.62	113.12	
PL.28611	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.09	7.05 LL00	117.48	115.49	115.07	
PL.28613	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.29	7.02 LL00	116.94	114.83	114.38	
PL.28667	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.01 LL00	116.88	114.76	114.30	
PL.28671	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	6.99 LL00	116.50	114.28	113.81	
PL.31448	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	6.96 LL00	116.00	113.67	113.18	
PL.33949	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.03	7.02 LL00	116.94	114.83	114.38	
PL.35656	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.07	7.01 LL00	116.85	114.72	114.27	
PL.36755	REID VILLAGE	RDVILLAGE1	B	1/0EPRJCN	0.03	7.03 LL00	117.11	115.03	114.59	
PL.39094	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.06 LL00	117.74	115.82	115.41	
PL.39095	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.06 LL00	117.73	115.80	115.40	
PL.39096	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.06 LL00	117.67	115.72	115.31	
PL.39097	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.06 LL00	117.66	115.72	115.31	
PL.39098	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.05 LL00	117.53	115.56	115.14	
PL.39099	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.05 LL00	117.53	115.55	115.13	
PL.39100	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.05 LL00	117.50	115.51	115.09	
PL.39101	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.05 LL00	117.49	115.51	115.09	
PL.39102	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.05 LL00	117.50	115.51	115.09	
PL.39103	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.05 LL00	117.49	115.51	115.09	
PL.39104	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.09	7.03 LL00	117.22	115.17	114.73	
PL.39105	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.03 LL00	117.22	115.17	114.73	
PL.39107	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.01 LL00	116.88	114.76	114.31	
PL.39108	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	7.01 LL00	116.88	114.76	114.31	
PL.39109	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.01 LL00	116.86	114.73	114.27	
PL.39110	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.09	7.01 LL00	116.85	114.72	114.27	
PL.39111	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.01 LL00	116.86	114.73	114.27	
PL.39112	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	7.01 LL00	116.85	114.72	114.27	
PL.39144	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.03 LL00	117.20	115.15	114.72	
PL.39145	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.03 LL00	117.20	115.15	114.72	
PL.39146	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.03 LL00	117.20	115.15	114.72	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.39147	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.03	LL00	117.20	115.15	114.72
PL.39148	REID VILLAGE	RDVILLAGE1	B	1/0EPRJCN	0.00	7.03	LL00	117.11	115.04	114.60
PL.39149	REID VILLAGE	RDVILLAGE1	B	1/0EPRJCN	0.03	7.03	LL00	117.11	115.03	114.59
PL.39150	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.01	LL00	116.86	114.73	114.28
PL.39151	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	7.01	LL00	116.85	114.72	114.27
PL.39173	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.01	7.01	LL00	116.86	114.73	114.28
PL.39174	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.02	7.01	LL00	116.86	114.73	114.28
PL.39175	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	6.99	LL00	116.54	114.33	113.86
PL.39176	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.12	6.99	LL00	116.50	114.29	113.82
PL.39179	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	6.99	LL00	116.50	114.29	113.82
PL.39180	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.02	6.99	LL00	116.49	114.27	113.80
PL.39181	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	6.99	LL00	116.45	114.23	113.75
PL.39182	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.16	6.99	LL00	116.45	114.22	113.75
PL.39183	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	6.98	LL00	116.35	114.10	113.62
PL.39184	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	6.98	LL00	116.35	114.10	113.62
PL.39185	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	6.97	LL00	116.24	113.97	113.48
PL.39186	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	6.97	LL00	116.24	113.97	113.48
PL.39187	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	6.97	LL00	116.21	113.93	113.45
PL.39188	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	6.97	LL00	116.21	113.93	113.44
PL.39189	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	6.97	LL00	116.16	113.86	113.38
PL.39190	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	6.97	LL00	116.16	113.86	113.37
PL.39191	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	6.97	LL00	116.14	113.84	113.36
PL.40444	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.01	LL00	116.87	114.75	114.29
PL.40445	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.01	LL00	116.87	114.74	114.29
PL.41528	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.13	7.03	LL00	117.22	115.17	114.73
PL.41693	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.02	7.19	LL00	119.88	118.53	118.25
PL.44333	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	6.98	LL00	116.30	114.03	113.55
PL.44334	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	6.97	LL00	116.24	113.97	113.48
PL.45340	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	6.97	LL00	116.11	113.81	113.32
PL.45343	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.15	6.97	LL00	116.09	113.77	113.28
PL.45344	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	6.97	LL00	116.14	113.84	113.35
PL.45345	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.10	6.97	LL00	116.11	113.81	113.32
PL.45779	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.06	7.05	LL00	117.48	115.49	115.07
PL.45780	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.04	7.05	LL00	117.48	115.49	115.07
PL.45781	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.05	7.04	LL00	117.25	115.22	114.78
PL.45782	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.04	LL00	117.25	115.22	114.78
PL.45783	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.03	LL00	117.25	115.20	114.77
PL.46370	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.01	7.19	LL00	119.89	118.54	118.25
PL.46371	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.07	LL00	117.87	115.97	115.57

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.46372	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.06	7.24	LL00	120.67	119.48	119.23
PL.46377	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.05	7.24	LL00	120.66	119.46	119.21
PL.46378	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.02	7.24	LL00	120.65	119.45	119.20
PL.46384	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.10	7.24	LL00	120.63	119.42	119.16
PL.46385	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.09	7.24	LL00	120.60	119.39	119.13
PL.46386	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.07	LL00	117.90	116.01	115.61
PL.46387	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.07	LL00	117.90	116.01	115.60
PL.46394	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.11	7.23	LL00	120.57	119.36	119.10
PL.46397	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.18	7.23	LL00	120.52	119.30	119.04
PL.46402	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.06	7.23	LL00	120.51	119.28	119.02
PL.46407	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.01	7.06	LL00	117.73	115.80	115.39
PL.46408	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.02	7.06	LL00	117.73	115.80	115.39
PL.46410	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.11	7.23	LL00	120.48	119.24	118.98
PL.46419	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.33	7.22	LL00	120.28	119.01	118.74
PL.46428	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.01	7.05	LL00	117.44	115.45	115.03
PL.46429	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.03	7.05	LL00	117.42	115.42	114.99
PL.46430	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.06	7.22	LL00	120.27	118.99	118.72
PL.46431	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.04	7.22	LL00	120.26	118.98	118.71
PL.46432	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.04	7.22	LL00	120.25	118.97	118.70
PL.46435	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.15	7.21	LL00	120.23	118.94	118.67
PL.46443	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.38	7.21	LL00	120.16	118.87	118.59
PL.46444	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.02	7.21	LL00	120.16	118.86	118.59
PL.46450	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.65	7.20	LL00	120.06	118.75	118.47
PL.46457	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.65	7.20	LL00	119.97	118.63	118.35
PL.46464	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.04	7.20	LL00	119.96	118.63	118.35
PL.46469	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.23	7.20	LL00	119.95	118.61	118.32
PL.46473	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.07	7.20	LL00	119.94	118.60	118.32
PL.46476	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.33	7.19	LL00	119.91	118.57	118.28
PL.46482	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.01	7.19	LL00	119.91	118.57	118.28
PL.46485	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.06	7.19	LL00	119.91	118.56	118.28
PL.46488	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.25	7.19	LL00	119.89	118.54	118.26
PL.46489	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.04	7.19	LL00	119.89	118.54	118.25
PL.46490	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.17	7.19	LL00	119.88	118.53	118.24
PL.46500	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.03	7.23	LL00	120.47	119.23	118.97
PL.46501	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.01	7.23	LL00	120.47	119.23	118.97
PL.46503	REID VILLAGE	RDVILLAGE1	B	2ACSR	0.04	7.06	LL00	117.68	115.74	115.33
PL.46504	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.01	7.23	LL00	120.47	119.23	118.97
PL.46505	REID VILLAGE	RDVILLAGE1	ABC	336ACSR	0.40	7.22	LL00	120.37	119.11	118.84
PL.6637	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	6.96	LL00	116.03	113.70	113.21

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.6641	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	6.97	LL00	116.16	113.86	113.38
PL.6646	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.04	7.04	LL00	117.28	115.24	114.81
PL.12148	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.17	7.16	LL01-LL02	119.30	117.93	117.65
PL.12149	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.08	7.15	LL01-LL02	119.20	117.81	117.52
PL.12150	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.06	7.15	LL01-LL02	119.23	117.84	117.56
PL.12151	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.27	7.15	LL01-LL02	119.20	117.82	117.53
PL.12152	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.08	7.16	LL01-LL02	119.26	117.89	117.61
PL.12154	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.02	7.16	LL01-LL02	119.26	117.89	117.60
PL.12155	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.13	7.15	LL01-LL02	119.23	117.85	117.57
PL.12179	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.36	7.27	LL01-LL02	121.13	120.03	119.80
PL.12183	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.10	LL01-LL02	118.41	116.64	116.26
PL.12184	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.17	7.10	LL01-LL02	118.35	116.57	116.19
PL.12185	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.08	7.10	LL01-LL02	118.35	116.56	116.19
PL.19782	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.07	7.15	LL01-LL02	119.22	117.84	117.55
PL.19783	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.02	7.15	LL01-LL02	119.22	117.84	117.55
PL.19932	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.03	7.16	LL01-LL02	119.26	117.88	117.60
PL.19933	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.06	7.15	LL01-LL02	119.25	117.87	117.59
PL.23970	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.11	LL01-LL02	118.45	116.69	116.31
PL.24785	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.07	7.15	LL01-LL02	119.20	117.81	117.52
PL.24786	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.07	7.15	LL01-LL02	119.19	117.81	117.52
PL.24981	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.09	7.11	LL01-LL02	118.43	116.66	116.29
PL.24982	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.14	7.25	LL01-LL02	120.85	119.69	119.45
PL.24983	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.11	LL01-LL02	118.45	116.69	116.31
PL.24984	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.11	LL01-LL02	118.44	116.68	116.30
PL.26137	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.10	LL01-LL02	118.41	116.64	116.27
PL.26138	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.18	7.10	LL01-LL02	118.38	116.60	116.22
PL.3225	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.00	7.10	LL01-LL02	118.41	116.64	116.27
PL.3226	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	7.10	LL01-LL02	118.38	116.60	116.22
PL.3227	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	7.10	LL01-LL02	118.35	116.56	116.18
PL.3228	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.07	7.10	LL01-LL02	118.35	116.56	116.18
PL.3355	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.04	7.15	LL01-LL02	119.20	117.82	117.53
PL.3356	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.15	7.15	LL01-LL02	119.25	117.87	117.59
PL.39084	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.05	7.11	LL01-LL02	118.50	116.75	116.38
PL.39085	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.11	LL01-LL02	118.46	116.70	116.33
PL.39086	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.03	7.11	LL01-LL02	118.45	116.69	116.31
PL.39087	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.11	LL01-LL02	118.46	116.70	116.33
PL.39088	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.11	LL01-LL02	118.46	116.70	116.33
PL.39089	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.15	7.10	LL01-LL02	118.41	116.64	116.27
PL.39090	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.01	7.10	LL01-LL02	118.41	116.64	116.27

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.39091	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.06	7.10	LL01-LL02	118.41	116.64	116.26
PL.39380	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.00	7.16	LL01-LL02	119.30	117.93	117.65
PL.39382	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.06	7.16	LL01-LL02	119.29	117.93	117.64
PL.39383	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.00	7.16	LL01-LL02	119.30	117.93	117.65
PL.39384	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.04	7.16	LL01-LL02	119.29	117.93	117.64
PL.39385	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.01	7.16	LL01-LL02	119.26	117.89	117.60
PL.39386	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.10	7.15	LL01-LL02	119.24	117.86	117.57
PL.6647	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.05	7.15	LL01-LL02	119.23	117.85	117.56
PL.6648	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.07	7.15	LL01-LL02	119.22	117.83	117.55
PL.6649	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.09	7.15	LL01-LL02	119.22	117.84	117.55
PL.7101	REID VILLAGE	RDVILLAGE1	B	4ACSR	0.13	7.10	LL01-LL02	118.35	116.56	116.18
PL.7103	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.12	7.15	LL01-LL02	119.22	117.84	117.55
PL.10740	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.11	7.17	LL03-LL04	119.49	118.17	117.90
PL.10743	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.17	7.17	LL03-LL04	119.42	118.08	117.80
PL.10745	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.13	7.16	LL03-LL04	119.39	118.05	117.77
PL.10746	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.03	7.16	LL03-LL04	119.37	118.02	117.74
PL.10747	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.05	7.16	LL03-LL04	119.37	118.02	117.74
PL.12146	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.07	7.17	LL03-LL04	119.44	118.11	117.83
PL.12178	REID VILLAGE	RDVILLAGE1	ABC	4ACSR	0.09	7.31	LL03-LL04	121.91	120.99	120.80
PL.15601	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.43	7.16	LL03-LL04	119.37	118.02	117.74
PL.17429	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.01	7.16	LL03-LL04	119.39	118.05	117.77
PL.17758	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.02	7.16	LL03-LL04	119.39	118.05	117.77
PL.24992	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.11	7.16	LL03-LL04	119.37	118.02	117.74
PL.24993	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.15	7.16	LL03-LL04	119.37	118.03	117.74
PL.3343	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.16	7.16	LL03-LL04	119.37	118.02	117.74
PL.3348	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.17	7.16	LL03-LL04	119.37	118.02	117.74
PL.3349	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.12	7.16	LL03-LL04	119.37	118.02	117.74
PL.3350	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.18	7.16	LL03-LL04	119.37	118.02	117.74
PL.3358	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.05	7.16	LL03-LL04	119.37	118.02	117.73
PL.3359	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.10	7.16	LL03-LL04	119.36	118.01	117.73
PL.3360	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.06	7.16	LL03-LL04	119.37	118.01	117.73
PL.37674	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.01	7.16	LL03-LL04	119.37	118.02	117.74
PL.39344	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.04	7.17	LL03-LL04	119.45	118.11	117.84
PL.39354	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.01	7.17	LL03-LL04	119.44	118.11	117.83
PL.39355	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.01	7.17	LL03-LL04	119.44	118.11	117.83
PL.39357	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.06	7.16	LL03-LL04	119.42	118.08	117.80
PL.39358	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.00	7.17	LL03-LL04	119.42	118.08	117.80
PL.39360	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.01	7.17	LL03-LL04	119.42	118.08	117.80
PL.39361	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.00	7.17	LL03-LL04	119.42	118.08	117.80

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.39362	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.11	7.16 LL03-LL04	119.42	118.08	117.80	
PL.39363	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.06	7.16 LL03-LL04	119.39	118.04	117.76	
PL.39364	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.01	7.16 LL03-LL04	119.39	118.05	117.77	
PL.39365	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.01	7.16 LL03-LL04	119.37	118.02	117.74	
PL.39366	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.13	7.16 LL03-LL04	119.37	118.02	117.74	
PL.39367	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.00	7.16 LL03-LL04	119.37	118.02	117.74	
PL.39370	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.13	7.16 LL03-LL04	119.37	118.02	117.74	
PL.39371	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.00	7.16 LL03-LL04	119.37	118.02	117.74	
PL.39372	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.00	7.16 LL03-LL04	119.37	118.02	117.74	
PL.39373	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.05	7.16 LL03-LL04	119.37	118.02	117.74	
PL.39753	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.00	7.17 LL03-LL04	119.49	118.17	117.90	
PL.39754	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.02	7.17 LL03-LL04	119.49	118.17	117.89	
PL.39755	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.24	7.17 LL03-LL04	119.45	118.12	117.84	
PL.39756	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.01	7.17 LL03-LL04	119.49	118.17	117.90	
PL.39759	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.05	7.16 LL03-LL04	119.37	118.02	117.74	
PL.39760	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.00	7.16 LL03-LL04	119.38	118.03	117.75	
PL.39762	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.07	7.16 LL03-LL04	119.37	118.02	117.74	
PL.39763	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.00	7.16 LL03-LL04	119.38	118.03	117.75	
PL.39764	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.16	7.16 LL03-LL04	119.37	118.03	117.74	
PL.39765	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.07	7.16 LL03-LL04	119.39	118.05	117.77	
PL.39766	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.02	7.16 LL03-LL04	119.38	118.03	117.75	
PL.45922	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.09	7.16 LL03-LL04	119.41	118.07	117.79	
PL.45923	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.02	7.16 LL03-LL04	119.42	118.08	117.80	
PL.6650	REID VILLAGE	RDVILLAGE1	C	4ACSR	0.00	7.16 LL03-LL04	119.38	118.03	117.75	
PL.1046	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.07 LL00	117.25	115.24	114.81	
PL.1047	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.25	14.09 LL00	117.45	115.49	115.08	
PL.11182	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.15 LL00	117.93	116.06	115.67	
PL.11183	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.15 LL00	117.92	116.06	115.67	
PL.11184	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.15 LL00	117.92	116.06	115.67	
PL.11185	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.12	14.15 LL00	117.88	116.01	115.62	
PL.11186	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.15 LL00	117.88	116.00	115.61	
PL.11189	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.11	14.14 LL00	117.87	116.00	115.61	
PL.11207	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.14 LL00	117.86	115.99	115.59	
PL.11208	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.14 LL00	117.83	115.94	115.55	
PL.11214	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.21	14.11 LL00	117.56	115.62	115.21	
PL.11225	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.22	14.09 LL00	117.43	115.45	115.04	
PL.11226	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.09 LL00	117.41	115.43	115.01	
PL.11227	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.42	14.08 LL00	117.35	115.35	114.94	
PL.11228	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.16	14.08 LL00	117.32	115.32	114.91	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.11229	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.09 LL00	117.45	115.49	115.08	
PL.11230	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.09 LL00	117.45	115.49	115.08	
PL.11231	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.20	14.07 LL00	117.27	115.26	114.84	
PL.11232	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.07 LL00	117.26	115.25	114.83	
PL.11233	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.18	14.07 LL00	117.24	115.22	114.80	
PL.11234	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.23	14.07 LL00	117.24	115.22	114.80	
PL.11295	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.07 LL00	117.24	115.22	114.80	
PL.11296	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.16	14.07 LL00	117.25	115.23	114.81	
PL.11297	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.07 LL00	117.25	115.23	114.81	
PL.11298	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.07 LL00	117.24	115.23	114.81	
PL.11299	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.07 LL00	117.26	115.25	114.83	
PL.11300	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.07 LL00	117.26	115.24	114.82	
PL.11301	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.07 LL00	117.26	115.25	114.83	
PL.11302	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.07 LL00	117.26	115.24	114.82	
PL.11303	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.12	14.07 LL00	117.26	115.24	114.82	
PL.11304	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.07 LL00	117.26	115.24	114.82	
PL.11305	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.07 LL00	117.25	115.24	114.82	
PL.11307	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.07 LL00	117.25	115.24	114.82	
PL.11308	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.41	14.12 LL00	117.64	115.72	115.32	
PL.11309	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.12 LL00	117.64	115.72	115.32	
PL.11310	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.12 LL00	117.64	115.72	115.32	
PL.11311	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.15	14.12 LL00	117.63	115.71	115.31	
PL.11312	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.37	14.12 LL00	117.63	115.71	115.31	
PL.11421	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.16 LL00	117.98	116.13	115.74	
PL.11422	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.16 LL00	117.98	116.13	115.74	
PL.11423	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.41	14.15 LL00	117.88	116.00	115.61	
PL.11426	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.15	14.15 LL00	117.93	116.07	115.68	
PL.11427	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.15	14.15 LL00	117.93	116.07	115.68	
PL.11648	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.15	14.15 LL00	117.92	116.06	115.67	
PL.11650	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.16 LL00	117.98	116.13	115.74	
PL.14911	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.07 LL00	117.26	115.25	114.83	
PL.14912	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.21	14.07 LL00	117.25	115.24	114.82	
PL.15170	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.08 LL00	117.35	115.35	114.94	
PL.19180	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.12 LL00	117.64	115.72	115.32	
PL.19181	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.35	14.12 LL00	117.63	115.71	115.31	
PL.19438	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.15 LL00	117.92	116.06	115.67	
PL.19623	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.15 LL00	117.92	116.06	115.67	
PL.19624	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.15 LL00	117.92	116.06	115.67	
PL.19716	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.14 LL00	117.86	115.98	115.59	

Winter_Low_Voltage

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
								JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.21514	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.10	LL00	117.46	115.50	115.09
PL.21515	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.10	LL00	117.46	115.50	115.09
PL.2171	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.07	LL00	117.24	115.22	114.80
PL.2367	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.14	LL00	117.86	115.98	115.59
PL.2371	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.14	LL00	117.86	115.99	115.59
PL.2372	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.14	LL00	117.86	115.99	115.59
PL.2375	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.15	LL00	117.95	116.10	115.71
PL.2379	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.19	14.15	LL00	117.92	116.06	115.67
PL.2381	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.14	LL00	117.87	116.00	115.61
PL.23891	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.12	14.11	LL00	117.60	115.67	115.26
PL.23892	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.11	LL00	117.60	115.67	115.26
PL.23893	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.11	LL00	117.60	115.67	115.26
PL.23894	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.11	LL00	117.60	115.67	115.26
PL.23895	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.11	LL00	117.60	115.67	115.26
PL.23896	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.08	LL00	117.32	115.32	114.90
PL.23897	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.11	LL00	117.61	115.69	115.29
PL.24793	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.13	LL00	117.79	115.90	115.51
PL.24794	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.13	LL00	117.79	115.90	115.51
PL.26343	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.14	LL00	117.86	115.98	115.58
PL.26344	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.13	LL00	117.79	115.90	115.51
PL.26635	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.22	14.13	LL00	117.74	115.84	115.44
PL.26937	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.08	LL00	117.34	115.35	114.94
PL.26938	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.08	LL00	117.32	115.32	114.90
PL.26939	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.28	14.07	LL00	117.29	115.28	114.86
PL.26940	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.09	LL00	117.41	115.43	115.01
PL.26941	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.09	LL00	117.41	115.43	115.01
PL.26942	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.09	LL00	117.43	115.45	115.04
PL.26943	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.30	14.09	LL00	117.43	115.45	115.04
PL.26944	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.09	LL00	117.43	115.45	115.04
PL.26945	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.09	LL00	117.43	115.45	115.04
PL.26946	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.10	LL00	117.46	115.50	115.09
PL.26947	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.24	14.09	LL00	117.45	115.49	115.08
PL.26948	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.11	LL00	117.60	115.67	115.27
PL.26949	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.11	LL00	117.60	115.67	115.27
PL.26950	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.12	LL00	117.64	115.72	115.32
PL.26951	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.19	14.11	LL00	117.60	115.67	115.27
PL.26952	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.14	LL00	117.86	115.99	115.59
PL.26953	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.14	LL00	117.86	115.99	115.59
PL.27873	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.18	14.15	LL00	117.92	116.05	115.66

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.27874	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.30	14.15 LL00	117.89	116.02	115.63	
PL.27955	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.26	14.07 LL00	117.25	115.24	114.82	
PL.27956	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.07 LL00	117.25	115.24	114.81	
PL.29280	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.07 LL00	117.24	115.23	114.80	
PL.29281	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.07 LL00	117.24	115.22	114.80	
PL.29282	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.07 LL00	117.26	115.24	114.82	
PL.29382	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.08 LL00	117.31	115.32	114.90	
PL.29383	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.16	14.08 LL00	117.31	115.31	114.90	
PL.29384	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.07 LL00	117.25	115.23	114.81	
PL.29465	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.07 LL00	117.26	115.24	114.82	
PL.29466	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.07 LL00	117.26	115.24	114.82	
PL.29467	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.07 LL00	117.26	115.24	114.82	
PL.29612	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.08 LL00	117.32	115.32	114.90	
PL.29613	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.23	14.08 LL00	117.32	115.32	114.90	
PL.30363	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.15	14.14 LL00	117.87	115.99	115.60	
PL.30364	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.16	14.14 LL00	117.86	115.98	115.59	
PL.33683	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.07 LL00	117.27	115.26	114.84	
PL.33684	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.07 LL00	117.27	115.26	114.84	
PL.33685	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.07 LL00	117.29	115.28	114.86	
PL.33686	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.07 LL00	117.29	115.28	114.86	
PL.33687	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.07 LL00	117.25	115.24	114.82	
PL.33688	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.07 LL00	117.25	115.24	114.82	
PL.33690	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.07 LL00	117.25	115.24	114.82	
PL.33692	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.07 LL00	117.25	115.24	114.82	
PL.33722	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.14 LL00	117.87	115.99	115.60	
PL.33723	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.14 LL00	117.87	115.99	115.60	
PL.33724	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.15 LL00	117.88	116.01	115.62	
PL.33725	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.15 LL00	117.88	116.01	115.62	
PL.33726	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.15 LL00	117.88	116.00	115.61	
PL.33727	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.15 LL00	117.88	116.00	115.61	
PL.33728	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.15 LL00	117.89	116.02	115.63	
PL.33729	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.15 LL00	117.89	116.02	115.63	
PL.33730	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.15 LL00	117.93	116.07	115.68	
PL.33731	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.15	14.15 LL00	117.93	116.07	115.68	
PL.37907	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.16 LL00	117.96	116.10	115.72	
PL.37908	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.15 LL00	117.95	116.10	115.71	
PL.45187	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.07 LL00	117.25	115.24	114.82	
PL.45188	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.07 LL00	117.25	115.24	114.82	
PL.45189	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.07 LL00	117.25	115.24	114.82	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.45190	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.07	LL00	117.25	115.24	114.82
PL.45191	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.07	LL00	117.25	115.24	114.82
PL.45397	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.14	LL00	117.86	115.98	115.59
PL.45398	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.15	14.14	LL00	117.86	115.98	115.59
PL.45412	SIDEVIEW	SIDEVIEW1	C	2ACSR	0.03	14.07	LL00	117.25	115.24	114.82
PL.45413	SIDEVIEW	SIDEVIEW1	C	2ACSR	0.06	14.07	LL00	117.25	115.24	114.82
PL.45414	SIDEVIEW	SIDEVIEW1	C	2ACSR	0.10	14.07	LL00	117.25	115.24	114.82
PL.45540	SIDEVIEW	SIDEVIEW1	C	2ACSR	0.19	14.07	LL00	117.25	115.24	114.81
PL.6085	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.07	LL00	117.25	115.24	114.82
PL.6561	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.10	LL00	117.46	115.50	115.09
PL.6562	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.11	14.12	LL00	117.63	115.70	115.30
PL.6563	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.29	14.11	LL00	117.62	115.70	115.29
PL.6564	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.41	14.09	LL00	117.45	115.49	115.08
PL.6565	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.07	LL00	117.25	115.24	114.81
PL.6566	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.09	LL00	117.43	115.45	115.04
PL.6567	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.09	LL00	117.45	115.49	115.07
PL.6568	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.09	LL00	117.45	115.48	115.07
PL.6673	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.14	LL00	117.87	116.00	115.61
PL.6674	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.14	LL00	117.86	115.98	115.58
PL.8588	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.40	14.10	LL00	117.48	115.52	115.12
PL.8589	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.10	LL00	117.47	115.50	115.09
PL.1049	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.17	LL01-LL02	118.11	116.29	115.91
PL.1051	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.17	LL01-LL02	118.09	116.27	115.89
PL.1053	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.12	14.17	LL01-LL02	118.09	116.27	115.88
PL.1054	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.11	14.17	LL01-LL02	118.09	116.26	115.88
PL.11190	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.19	LL01-LL02	118.27	116.49	116.12
PL.11191	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.19	LL01-LL02	118.27	116.49	116.12
PL.11192	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.21	14.29	LL01-LL02	119.06	117.45	117.12
PL.11193	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.38	14.26	LL01-LL02	118.80	117.13	116.79
PL.11194	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.29	LL01-LL02	119.05	117.45	117.11
PL.11195	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.29	LL01-LL02	119.06	117.45	117.12
PL.11196	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.29	LL01-LL02	119.06	117.45	117.11
PL.11197	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.29	LL01-LL02	119.06	117.45	117.12
PL.11198	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.23	14.29	LL01-LL02	119.05	117.44	117.11
PL.11199	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.17	LL01-LL02	118.12	116.30	115.92
PL.11200	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.21	14.17	LL01-LL02	118.10	116.28	115.90
PL.11201	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.12	14.17	LL01-LL02	118.09	116.27	115.89
PL.11202	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.39	14.17	LL01-LL02	118.09	116.26	115.88
PL.11203	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.16	14.17	LL01-LL02	118.08	116.26	115.88

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.11204	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.17	LL01-LL02	118.08	116.26	115.88
PL.11205	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.16	14.33	LL01-LL02	119.42	117.90	117.59
PL.11206	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.33	LL01-LL02	119.42	117.90	117.58
PL.11419	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.16	LL01-LL02	118.03	116.19	115.80
PL.11420	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.16	LL01-LL02	118.03	116.19	115.80
PL.11630	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.34	LL01-LL02	119.49	117.98	117.67
PL.11631	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.34	LL01-LL02	119.49	117.98	117.67
PL.11632	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.33	LL01-LL02	119.44	117.92	117.61
PL.11633	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.33	LL01-LL02	119.43	117.91	117.60
PL.11634	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.12	14.32	LL01-LL02	119.34	117.80	117.48
PL.11635	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.33	LL01-LL02	119.43	117.91	117.59
PL.11636	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.25	LL01-LL02	118.76	117.09	116.74
PL.11637	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.11	14.24	LL01-LL02	118.69	117.00	116.65
PL.11638	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.22	LL01-LL02	118.53	116.81	116.45
PL.11639	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.22	LL01-LL02	118.54	116.81	116.45
PL.11640	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.22	LL01-LL02	118.54	116.81	116.45
PL.11641	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.25	LL01-LL02	118.76	117.09	116.74
PL.11642	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.25	LL01-LL02	118.76	117.09	116.74
PL.11643	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.24	LL01-LL02	118.68	116.99	116.64
PL.11644	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.23	14.22	LL01-LL02	118.54	116.81	116.45
PL.11645	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.16	14.21	LL01-LL02	118.44	116.69	116.33
PL.11646	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.20	LL01-LL02	118.35	116.59	116.22
PL.11647	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.20	LL01-LL02	118.34	116.57	116.20
PL.11649	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.28	14.16	LL01-LL02	118.03	116.19	115.80
PL.11651	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.16	LL01-LL02	118.03	116.19	115.80
PL.11652	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.16	LL01-LL02	118.03	116.19	115.80
PL.12203	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.32	LL01-LL02	119.34	117.80	117.48
PL.12204	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.32	LL01-LL02	119.34	117.80	117.47
PL.12446	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.33	LL01-LL02	119.43	117.91	117.60
PL.17997	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.20	LL01-LL02	118.30	116.52	116.15
PL.17998	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.19	LL01-LL02	118.27	116.49	116.12
PL.18309	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.17	LL01-LL02	118.10	116.28	115.89
PL.18310	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.17	LL01-LL02	118.10	116.27	115.89
PL.1843	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.19	14.29	LL01-LL02	119.04	117.44	117.10
PL.1844	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.29	LL01-LL02	119.04	117.44	117.10
PL.1848	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.29	LL01-LL02	119.04	117.44	117.10
PL.1850	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.34	LL01-LL02	119.49	117.98	117.67
PL.18505	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.20	LL01-LL02	118.35	116.59	116.22
PL.19011	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.34	LL01-LL02	119.49	117.98	117.67

Winter_Low_Voltage

Section					Length	Primary		EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name	Feeder Name	Phasing	Equipment	(Miles)	kV (Bal)	Timing	JAN05 Base	Base Volts	Base Volts
								Volts (Bal)	(Bal)	(Bal)
PL.19012	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.34	LL01-LL02	119.49	117.98	117.67
PL.19148	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.20	LL01-LL02	118.34	116.57	116.20
PL.19149	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.19	LL01-LL02	118.24	116.44	116.07
PL.19150	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.18	LL01-LL02	118.15	116.33	115.96
PL.19316	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.20	LL01-LL02	118.34	116.57	116.20
PL.20252	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.24	LL01-LL02	118.69	117.00	116.65
PL.20253	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.24	LL01-LL02	118.69	117.00	116.65
PL.2259	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.32	LL01-LL02	119.34	117.80	117.47
PL.2363	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.13	14.22	LL01-LL02	118.53	116.80	116.44
PL.2364	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.22	LL01-LL02	118.53	116.80	116.44
PL.2365	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.17	14.20	LL01-LL02	118.33	116.56	116.19
PL.2366	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.20	LL01-LL02	118.34	116.57	116.20
PL.2373	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.16	LL01-LL02	118.03	116.19	115.80
PL.2374	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.20	LL01-LL02	118.34	116.57	116.20
PL.2376	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.25	LL01-LL02	118.76	117.09	116.74
PL.2377	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.20	LL01-LL02	118.34	116.57	116.20
PL.2378	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.20	LL01-LL02	118.33	116.56	116.19
PL.2380	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.17	LL01-LL02	118.11	116.29	115.91
PL.2382	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.20	LL01-LL02	118.34	116.57	116.20
PL.2384	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.22	LL01-LL02	118.54	116.81	116.45
PL.23889	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.33	LL01-LL02	119.43	117.91	117.59
PL.23890	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.33	LL01-LL02	119.42	117.90	117.59
PL.23899	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.17	LL01-LL02	118.08	116.26	115.87
PL.23900	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.17	LL01-LL02	118.08	116.26	115.87
PL.23901	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.17	LL01-LL02	118.11	116.29	115.91
PL.23903	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.29	LL01-LL02	119.05	117.44	117.11
PL.23904	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.29	LL01-LL02	119.05	117.45	117.11
PL.24543	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.29	LL01-LL02	119.05	117.45	117.11
PL.24544	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.31	LL01-LL02	119.22	117.65	117.32
PL.24791	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.17	LL01-LL02	118.11	116.29	115.91
PL.24792	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.17	LL01-LL02	118.11	116.29	115.91
PL.24799	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.03	14.25	LL01-LL02	118.78	117.11	116.76
PL.24800	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.04	14.29	LL01-LL02	119.05	117.45	117.11
PL.25808	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.16	14.33	LL01-LL02	119.43	117.91	117.59
PL.25809	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.32	LL01-LL02	119.33	117.79	117.47
PL.25810	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.31	LL01-LL02	119.28	117.73	117.40
PL.26954	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.18	LL01-LL02	118.15	116.33	115.95
PL.26955	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.22	14.17	LL01-LL02	118.12	116.31	115.93
PL.33712	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.00	14.17	LL01-LL02	118.12	116.30	115.92

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.33713	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.19	14.17	LL01-LL02	118.11	116.29	115.91
PL.33714	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.17	LL01-LL02	118.10	116.28	115.90
PL.33715	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.11	14.17	LL01-LL02	118.10	116.28	115.90
PL.33716	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.17	LL01-LL02	118.10	116.28	115.90
PL.33717	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.11	14.17	LL01-LL02	118.10	116.28	115.89
PL.33718	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.17	LL01-LL02	118.09	116.27	115.89
PL.33719	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.17	LL01-LL02	118.09	116.27	115.88
PL.33720	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.17	LL01-LL02	118.08	116.26	115.88
PL.33721	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.17	LL01-LL02	118.08	116.26	115.87
PL.43361	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.21	LL01-LL02	118.44	116.69	116.33
PL.43362	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.21	LL01-LL02	118.44	116.69	116.33
PL.45686	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.05	14.20	LL01-LL02	118.35	116.58	116.21
PL.45687	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.12	14.20	LL01-LL02	118.34	116.57	116.20
PL.6560	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.26	14.33	LL01-LL02	119.42	117.90	117.58
PL.6569	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.19	14.17	LL01-LL02	118.10	116.27	115.89
PL.6570	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.18	14.17	LL01-LL02	118.09	116.27	115.89
PL.6571	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.17	LL01-LL02	118.09	116.27	115.88
PL.6572	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.06	14.17	LL01-LL02	118.09	116.27	115.88
PL.6667	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.14	14.22	LL01-LL02	118.53	116.80	116.44
PL.6668	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.11	14.22	LL01-LL02	118.53	116.81	116.45
PL.6669	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.23	14.22	LL01-LL02	118.53	116.80	116.44
PL.6670	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.25	LL01-LL02	118.77	117.10	116.75
PL.6671	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.02	14.17	LL01-LL02	118.12	116.31	115.93
PL.6672	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.24	LL01-LL02	118.69	117.00	116.65
PL.6675	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.08	14.16	LL01-LL02	118.03	116.19	115.80
PL.6676	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.10	14.16	LL01-LL02	118.03	116.19	115.80
PL.11624	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.36	LL03-LL04	119.63	118.16	117.85
PL.11625	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.36	LL03-LL04	119.63	118.16	117.85
PL.11626	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.01	14.36	LL03-LL04	119.63	118.16	117.85
PL.11627	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.07	14.36	LL03-LL04	119.63	118.16	117.85
PL.11629	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.09	14.35	LL03-LL04	119.55	118.06	117.75
PL.41479	SIDEVIEW	SIDEVIEW1	C	4ACSR	0.87	14.36	LL03-LL04	119.63	118.16	117.85
PL.11593	SIDEVIEW	SIDEVIEW3	ABC	4ACSR	0.07	7.07	LL00	117.84	115.94	115.55
PL.11594	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.00	6.75	LL00	112.49	109.38	108.72
PL.11598	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.06	6.75	LL00	112.49	109.38	108.72
PL.11600	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.10	6.75	LL00	112.55	109.44	108.78
PL.11601	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.17	6.76	LL00	112.64	109.55	108.89
PL.12067	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.09	6.76	LL00	112.59	109.50	108.84
PL.12077	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.02	7.08	LL00	118.04	116.19	115.80

Winter_Low_Voltage

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
								JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.12078	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.14	7.07	LL00	117.84	115.95	115.55
PL.12079	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.08	7.11	LL00	118.48	116.74	116.37
PL.12080	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.14	7.12	LL00	118.67	116.97	116.62
PL.12081	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.05	7.12	LL00	118.60	116.88	116.52
PL.12084	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.11	7.08	LL00	118.07	116.23	115.84
PL.12085	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.11	7.09	LL00	118.22	116.42	116.04
PL.12086	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.00	7.09	LL00	118.22	116.41	116.04
PL.12091	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	6.90	LL00	115.08	112.53	111.98
PL.12092	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.08	6.90	LL00	115.04	112.48	111.93
PL.12093	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.03	6.90	LL00	114.97	112.39	111.84
PL.12094	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.06	6.90	LL00	114.96	112.38	111.82
PL.12309	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.09	6.82	LL00	113.67	110.79	110.18
PL.12310	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.02	6.82	LL00	113.67	110.79	110.18
PL.12311	SIDEVIEW	SIDEVIEW3	ABC	4ACSR	0.37	7.07	LL00	117.83	115.94	115.54
PL.14436	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.18	7.16	LL00	119.31	117.75	117.43
PL.14601	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.25	7.13	LL00	118.90	117.26	116.91
PL.14602	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	7.00	LL00	116.68	114.50	114.03
PL.14603	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.17	7.00	LL00	116.68	114.50	114.03
PL.14609	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.06	7.19	LL00	119.86	118.44	118.14
PL.14610	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.16	7.18	LL00	119.59	118.11	117.80
PL.14616	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.03	7.22	LL00	120.30	118.98	118.70
PL.14619	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.11	7.22	LL00	120.32	119.01	118.73
PL.14767	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.04	6.79	LL00	113.17	110.20	109.56
PL.15793	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	6.97	LL00	116.18	113.89	113.39
PL.15794	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.17	6.97	LL00	116.18	113.89	113.39
PL.179	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.05	7.07	LL00	117.83	115.94	115.54
PL.18004	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.00	6.75	LL00	112.48	109.38	108.71
PL.18005	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.04	6.75	LL00	112.48	109.38	108.71
PL.18762	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.01	7.22	LL00	120.32	119.01	118.73
PL.18763	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.10	7.22	LL00	120.30	118.98	118.71
PL.19247	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.03	7.21	LL00	120.15	118.79	118.51
PL.19907	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.10	7.07	LL00	117.89	115.99	115.58
PL.19908	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.06	7.07	LL00	117.89	115.99	115.58
PL.20640	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.06	6.90	LL00	115.02	112.45	111.90
PL.20641	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.07	6.90	LL00	114.99	112.41	111.86
PL.20642	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.03	7.07	LL00	117.76	115.85	115.45
PL.20643	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.03	7.07	LL00	117.76	115.85	115.44
PL.20644	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.13	7.06	LL00	117.73	115.81	115.41
PL.21164	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.02	7.07	LL00	117.82	115.92	115.52

Winter_Low_Voltage

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
								JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.24962	SIDEVIEW	SIDEVIEW3	ABC	4ACSR	0.11	7.07	LL00	117.84	115.95	115.55
PL.2527	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.11	6.79	LL00	113.17	110.20	109.56
PL.2529	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	6.75	LL00	112.48	109.38	108.71
PL.2530	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.03	6.75	LL00	112.48	109.37	108.71
PL.2531	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	6.74	LL00	112.41	109.30	108.63
PL.2532	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.06	6.74	LL00	112.41	109.29	108.63
PL.2533	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	6.74	LL00	112.40	109.28	108.61
PL.2534	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.07	6.74	LL00	112.37	109.25	108.58
PL.2535	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	6.74	LL00	112.35	109.23	108.56
PL.2538	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.07	6.74	LL00	112.41	109.29	108.63
PL.2590	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.12	6.90	LL00	114.94	112.36	111.81
PL.2591	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.09	6.90	LL00	114.94	112.35	111.80
PL.26755	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.09	7.22	LL00	120.29	118.97	118.69
PL.26756	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.00	7.07	LL00	117.90	116.00	115.60
PL.26761	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.19	7.22	LL00	120.27	118.94	118.67
PL.26762	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.05	7.22	LL00	120.27	118.94	118.66
PL.27565	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	6.75	LL00	112.48	109.38	108.71
PL.27566	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.13	6.75	LL00	112.42	109.30	108.64
PL.27567	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.02	6.75	LL00	112.49	109.38	108.72
PL.27568	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.09	6.75	LL00	112.49	109.38	108.71
PL.27652	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.07	6.75	LL00	112.56	109.45	108.79
PL.27653	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	6.75	LL00	112.54	109.43	108.77
PL.27742	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.02	7.20	LL00	119.96	118.56	118.27
PL.2805	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.09	7.07	LL00	117.89	115.99	115.58
PL.28081	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.03	7.21	LL00	120.09	118.73	118.44
PL.28082	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.06	7.20	LL00	120.00	118.60	118.31
PL.2810	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	6.90	LL00	114.96	112.38	111.83
PL.2817	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.10	7.12	LL00	118.60	116.88	116.52
PL.2821	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.13	6.97	LL00	116.18	113.89	113.39
PL.2823	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.08	6.90	LL00	114.97	112.40	111.85
PL.2824	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.15	6.97	LL00	116.18	113.89	113.39
PL.2825	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.39	6.97	LL00	116.18	113.89	113.39
PL.30971	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.08	6.75	LL00	112.50	109.39	108.72
PL.30972	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	6.75	LL00	112.49	109.38	108.72
PL.31883	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.00	6.78	LL00	112.96	109.94	109.29
PL.39235	SIDEVIEW	SIDEVIEW3	ABC	4ACSR	0.13	7.07	LL00	117.83	115.94	115.54
PL.39441	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.03	7.22	LL00	120.27	118.94	118.67
PL.39442	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.04	7.21	LL00	120.20	118.86	118.58
PL.39475	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	7.07	LL00	117.89	115.99	115.58

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.39476	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.33	7.07 LL00	117.89	115.99	115.58	
PL.39623	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.17	6.75 LL00	112.49	109.38	108.72	
PL.39624	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	6.74 LL00	112.35	109.22	108.56	
PL.39625	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.04	6.74 LL00	112.34	109.22	108.55	
PL.39626	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.00	6.75 LL00	112.49	109.38	108.72	
PL.39627	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	6.75 LL00	112.49	109.38	108.72	
PL.39797	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.02	7.07 LL00	117.77	115.87	115.47	
PL.39798	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.02	7.07 LL00	117.77	115.86	115.46	
PL.39856	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.00	6.77 LL00	112.86	109.81	109.16	
PL.39857	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	6.76 LL00	112.64	109.55	108.89	
PL.39858	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.07	6.76 LL00	112.59	109.49	108.82	
PL.40548	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	6.75 LL00	112.49	109.38	108.72	
PL.42567	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	6.81 LL00	113.54	110.64	110.02	
PL.42568	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.04	6.81 LL00	113.54	110.63	110.01	
PL.42780	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.01	6.81 LL00	113.45	110.53	109.90	
PL.42781	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.05	6.81 LL00	113.45	110.53	109.90	
PL.42784	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.17	7.06 LL00	117.70	115.77	115.37	
PL.42787	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.00	6.80 LL00	113.39	110.45	109.83	
PL.42788	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.03	6.80 LL00	113.39	110.45	109.83	
PL.42789	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.00	6.80 LL00	113.39	110.45	109.83	
PL.42790	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.05	6.80 LL00	113.39	110.45	109.83	
PL.42791	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.14	7.06 LL00	117.67	115.74	115.33	
PL.42793	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.02	7.06 LL00	117.67	115.73	115.33	
PL.42797	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.10	7.06 LL00	117.63	115.69	115.28	
PL.42799	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.04	7.06 LL00	117.66	115.72	115.32	
PL.42800	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.05	7.06 LL00	117.65	115.71	115.31	
PL.42808	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.02	6.80 LL00	113.33	110.38	109.75	
PL.42811	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.03	7.06 LL00	117.62	115.68	115.27	
PL.42812	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.01	7.06 LL00	117.62	115.68	115.27	
PL.42816	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.05	6.79 LL00	113.21	110.24	109.61	
PL.42817	SIDEVIEW	SIDEVIEW3	B	2ACSR	0.00	6.79 LL00	113.21	110.24	109.61	
PL.42818	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.09	7.06 LL00	117.59	115.64	115.23	
PL.42825	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	6.79 LL00	113.17	110.20	109.56	
PL.42826	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.21	6.79 LL00	113.17	110.20	109.56	
PL.42831	SIDEVIEW	SIDEVIEW3	B	1/0EPRJCN	0.01	6.79 LL00	113.12	110.14	109.50	
PL.42832	SIDEVIEW	SIDEVIEW3	B	1/0EPRJCN	0.05	6.79 LL00	113.12	110.14	109.50	
PL.42834	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.03	7.05 LL00	117.56	115.60	115.19	
PL.42841	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	6.79 LL00	113.11	110.13	109.49	
PL.42842	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.04	6.79 LL00	113.11	110.12	109.48	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.42843	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	6.79 LL00	113.12	110.14	109.50	
PL.42844	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.03	6.79 LL00	113.12	110.13	109.50	
PL.42846	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.11	7.05 LL00	117.54	115.58	115.17	
PL.42850	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.02	7.05 LL00	117.54	115.58	115.17	
PL.42852	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.03	7.05 LL00	117.53	115.57	115.16	
PL.42854	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.08	7.05 LL00	117.52	115.56	115.15	
PL.42855	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.01	6.78 LL00	113.00	109.99	109.34	
PL.42856	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.02	6.78 LL00	112.97	109.95	109.30	
PL.42859	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.06	6.77 LL00	112.85	109.81	109.16	
PL.43244	SIDEVIEW	SIDEVIEW3	ABC	1/0EPRJCN	0.04	7.05 LL00	117.58	115.63	115.22	
PL.43245	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.04	7.05 LL00	117.58	115.63	115.22	
PL.43246	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.09	7.05 LL00	117.56	115.61	115.20	
PL.43726	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	6.74 LL00	112.33	109.21	108.54	
PL.43727	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.16	6.74 LL00	112.29	109.16	108.49	
PL.43775	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.03	7.07 LL00	117.81	115.91	115.51	
PL.43776	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.04	7.07 LL00	117.80	115.90	115.50	
PL.44223	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.04	7.07 LL00	117.79	115.89	115.49	
PL.44224	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.07	7.07 LL00	117.78	115.87	115.47	
PL.45444	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.05	7.06 LL00	117.61	115.67	115.26	
PL.45445	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.04	7.06 LL00	117.60	115.66	115.25	
PL.6417	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.05	6.79 LL00	113.11	110.12	109.48	
PL.6418	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.08	6.77 LL00	112.86	109.81	109.16	
PL.6419	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.09	6.75 LL00	112.54	109.44	108.78	
PL.6420	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.03	6.74 LL00	112.28	109.15	108.48	
PL.6421	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.03	6.74 LL00	112.28	109.15	108.48	
PL.6505	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.07	6.79 LL00	113.12	110.13	109.49	
PL.7127	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.08	7.10 LL00	118.37	116.60	116.23	
PL.7129	SIDEVIEW	SIDEVIEW3	ABC	336ACSR	0.06	7.07 LL00	117.82	115.92	115.52	
PL.7131	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.04	6.90 LL00	114.98	112.40	111.85	
PL.12069	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.01	7.12 LL01-LL02	118.63	116.92	116.56	
PL.12070	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.12 LL01-LL02	118.61	116.91	116.55	
PL.12073	SIDEVIEW	SIDEVIEW3	A	336ACSR	0.00	7.12 LL01-LL02	118.63	116.92	116.57	
PL.12075	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.07	7.15 LL01-LL02	119.14	117.55	117.22	
PL.12076	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.01	7.15 LL01-LL02	119.14	117.55	117.22	
PL.12082	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.10	7.16 LL01-LL02	119.31	117.76	117.44	
PL.12083	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.16	7.16 LL01-LL02	119.31	117.76	117.44	
PL.12087	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.02	7.16 LL01-LL02	119.31	117.76	117.44	
PL.12088	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.07	7.16 LL01-LL02	119.31	117.76	117.44	
PL.14333	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.11 LL01-LL02	118.46	116.72	116.35	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.14335	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.15	7.10	LL01-LL02	118.38	116.62	116.25
PL.14336	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.10	LL01-LL02	118.38	116.61	116.24
PL.14337	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.10	LL01-LL02	118.37	116.61	116.24
PL.14338	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.10	LL01-LL02	118.37	116.60	116.24
PL.14608	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.05	7.28	LL01-LL02	121.27	120.18	119.95
PL.14617	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.12	7.24	LL01-LL02	120.68	119.45	119.19
PL.14618	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.08	7.23	LL01-LL02	120.53	119.26	119.00
PL.14620	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.09	7.27	LL01-LL02	121.09	119.95	119.72
PL.14621	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.09	7.25	LL01-LL02	120.91	119.73	119.48
PL.15789	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.02	7.13	LL01-LL02	118.83	117.15	116.79
PL.15790	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.08	7.13	LL01-LL02	118.83	117.15	116.79
PL.17471	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.04	7.11	LL01-LL02	118.48	116.74	116.38
PL.18193	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.02	7.11	LL01-LL02	118.48	116.71	116.34
PL.18194	SIDEVIEW	SIDEVIEW3	B	4ACSR	0.09	7.11	LL01-LL02	118.47	116.71	116.33
PL.18686	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.04	7.12	LL01-LL02	118.60	116.89	116.54
PL.19819	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.11	LL01-LL02	118.50	116.76	116.40
PL.20050	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.04	7.12	LL01-LL02	118.68	116.98	116.63
PL.20051	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.12	LL01-LL02	118.68	116.99	116.63
PL.2447	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.02	7.10	LL01-LL02	118.37	116.61	116.24
PL.27860	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.11	LL01-LL02	118.45	116.70	116.34
PL.27861	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.07	7.11	LL01-LL02	118.43	116.68	116.31
PL.2820	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.24	7.16	LL01-LL02	119.31	117.76	117.44
PL.2888	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.07	7.15	LL01-LL02	119.14	117.55	117.22
PL.33741	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.12	LL01-LL02	118.58	116.87	116.51
PL.33742	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.06	7.12	LL01-LL02	118.59	116.87	116.51
PL.33923	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.03	7.12	LL01-LL02	118.60	116.89	116.54
PL.39307	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.00	7.11	LL01-LL02	118.53	116.80	116.44
PL.39308	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.03	7.11	LL01-LL02	118.53	116.80	116.44
PL.39309	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.11	LL01-LL02	118.50	116.76	116.40
PL.39310	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.11	LL01-LL02	118.50	116.76	116.40
PL.39311	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.11	LL01-LL02	118.46	116.72	116.35
PL.39313	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.11	LL01-LL02	118.46	116.72	116.35
PL.39314	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.11	LL01-LL02	118.46	116.72	116.35
PL.39315	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.11	LL01-LL02	118.46	116.72	116.35
PL.39316	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.10	LL01-LL02	118.38	116.61	116.24
PL.39317	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.10	LL01-LL02	118.37	116.61	116.24
PL.39318	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.10	LL01-LL02	118.37	116.61	116.24
PL.39319	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.10	LL01-LL02	118.37	116.61	116.24
PL.39320	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.10	LL01-LL02	118.38	116.62	116.25

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.39321	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.05	7.10 LL01-LL02	118.38	116.61	116.24	
PL.39604	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.01	7.12 LL01-LL02	118.68	116.98	116.63	
PL.39605	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.12 LL01-LL02	118.68	116.98	116.63	
PL.42565	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.03	7.12 LL01-LL02	118.60	116.89	116.53	
PL.42566	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.19	7.12 LL01-LL02	118.59	116.87	116.51	
PL.42801	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.00	7.12 LL01-LL02	118.71	117.02	116.66	
PL.42802	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.09	7.12 LL01-LL02	118.70	117.01	116.66	
PL.42813	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.00	7.12 LL01-LL02	118.69	117.00	116.65	
PL.42814	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.05	7.12 LL01-LL02	118.69	117.00	116.64	
PL.42823	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.12 LL01-LL02	118.66	116.96	116.61	
PL.42838	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.11	7.11 LL01-LL02	118.53	116.80	116.44	
PL.42839	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.01	7.12 LL01-LL02	118.63	116.92	116.57	
PL.42840	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.06	7.12 LL01-LL02	118.59	116.87	116.52	
PL.42848	SIDEVIEW	SIDEVIEW3	A	336ACSR	0.02	7.12 LL01-LL02	118.63	116.92	116.57	
PL.42849	SIDEVIEW	SIDEVIEW3	A	336ACSR	0.00	7.12 LL01-LL02	118.63	116.92	116.57	
PL.45607	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.11	7.12 LL01-LL02	118.59	116.87	116.51	
PL.45608	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.21	7.12 LL01-LL02	118.59	116.87	116.51	
PL.46031	SIDEVIEW	SIDEVIEW3	A	2ACSR	0.11	7.16 LL01-LL02	119.31	117.76	117.44	
PL.6437	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.11 LL01-LL02	118.48	116.74	116.37	
PL.6440	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.00	7.10 LL01-LL02	118.38	116.62	116.25	
PL.12089	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.01	7.17 LL03-LL04	119.56	118.06	117.75	
PL.12090	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.04	7.17 LL03-LL04	119.55	118.06	117.75	
PL.14606	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.24	7.28 LL03-LL04	121.38	120.31	120.09	
PL.14607	SIDEVIEW	SIDEVIEW3	ABC	6ACWC	0.00	7.28 LL03-LL04	121.38	120.31	120.08	
PL.7128	SIDEVIEW	SIDEVIEW3	A	4ACSR	0.02	7.17 LL03-LL04	119.55	118.06	117.74	
PL.10030	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.03 LL00	117.14	113.68	112.48	
PL.10031	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.14	7.03 LL00	117.14	113.67	112.48	
PL.10192	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.08	7.31 LL00	121.81	120.77	120.55	
PL.10193	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.18	7.33 LL00	122.14	121.19	120.98	
PL.10194	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.14	7.32 LL00	122.00	121.01	120.80	
PL.10195	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.11	7.31 LL00	121.89	120.87	120.65	
PL.10336	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.04	7.00 LL00	116.66	113.08	111.85	
PL.10337	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.12	7.00 LL00	116.65	113.06	111.84	
PL.10338	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.10	7.00 LL00	116.64	113.05	111.82	
PL.20443	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.02	7.07 LL00	117.81	115.55	115.05	
PL.20444	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.22	7.07 LL00	117.80	115.55	115.05	
PL.2192	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.00 LL00	116.60	113.00	111.77	
PL.2194	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.00 LL00	116.64	113.04	111.82	
PL.2196	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.10	7.00 LL00	116.59	112.99	111.76	

Winter_Low_Voltage

Section Name	Source Name	Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
								JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.2197	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.13	7.00	LL00	116.59	112.98	111.75
PL.2201	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.07	7.07	LL00	117.90	114.63	113.48
PL.2203	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.12	7.07	LL00	117.90	114.63	113.48
PL.2205	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.11	7.05	LL00	117.54	114.18	113.01
PL.2208	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.03	LL00	117.14	113.67	112.48
PL.2215	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.04	7.07	LL00	117.77	114.47	113.31
PL.24932	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.04	7.30	LL00	121.74	120.68	120.45
PL.24933	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.02	7.30	LL00	121.72	120.65	120.42
PL.3275	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.15	7.07	LL00	117.80	115.55	115.05
PL.35651	SIDEVIEW	SIDEVIEW4	B	1/0EPRJCN	0.20	6.99	LL00	116.58	112.97	111.74
PL.42592	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.00	7.07	LL00	117.91	114.64	113.49
PL.42593	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.15	7.07	LL00	117.90	114.64	113.49
PL.42595	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.04	7.07	LL00	117.85	114.57	113.42
PL.42596	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.07	LL00	117.77	114.47	113.32
PL.42597	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.00	7.07	LL00	117.85	114.57	113.42
PL.42598	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.07	7.07	LL00	117.84	114.56	113.41
PL.42599	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.05	LL00	117.54	114.18	113.01
PL.42600	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.05	LL00	117.54	114.18	113.01
PL.42601	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.16	7.03	LL00	117.16	113.70	112.51
PL.42602	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.02	7.03	LL00	117.14	113.68	112.48
PL.42603	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.02	LL00	116.96	113.45	112.25
PL.42604	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.10	7.01	LL00	116.85	113.31	112.10
PL.42605	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.02	LL00	116.97	113.46	112.25
PL.42606	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.14	7.02	LL00	116.96	113.45	112.25
PL.42608	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.10	7.00	LL00	116.68	113.09	111.87
PL.42611	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.00	LL00	116.67	113.09	111.87
PL.42612	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.33	7.00	LL00	116.62	113.02	111.79
PL.42613	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.00	LL00	116.67	113.09	111.87
PL.42614	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.03	7.00	LL00	116.67	113.08	111.86
PL.42615	SIDEVIEW	SIDEVIEW4	B	1/0EPRJCN	0.01	7.00	LL00	116.70	113.13	111.90
PL.42616	SIDEVIEW	SIDEVIEW4	B	1/0EPRJCN	0.16	7.00	LL00	116.65	113.05	111.83
PL.42617	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.00	LL00	116.66	113.08	111.85
PL.42618	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.11	7.00	LL00	116.66	113.07	111.85
PL.42619	SIDEVIEW	SIDEVIEW4	B	1/0EPRJCN	0.06	7.00	LL00	116.65	113.06	111.84
PL.42620	SIDEVIEW	SIDEVIEW4	B	1/0EPRJCN	0.01	7.00	LL00	116.65	113.06	111.84
PL.42621	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.00	LL00	116.62	113.02	111.79
PL.42622	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.19	7.00	LL00	116.62	113.02	111.79
PL.42623	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.07	7.00	LL00	116.61	113.01	111.78
PL.42624	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.00	LL00	116.62	113.02	111.79

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.42625	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.00 LL00	116.64	113.05	111.82	
PL.42626	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.00 LL00	116.64	113.04	111.82	
PL.5182	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.07	7.02 LL00	116.96	113.45	112.24	
PL.7153	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.05	7.34 LL00	122.32	121.41	121.22	
PL.7155	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.03	7.31 LL00	121.78	120.73	120.50	
PL.7163	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.06	7.34 LL00	122.37	121.47	121.28	
PL.9089	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.19	7.05 LL00	117.54	114.18	113.01	
PL.9090	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.16	7.04 LL00	117.35	113.94	112.76	
PL.9092	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.08	7.07 LL00	117.91	114.64	113.49	
PL.9094	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.23	7.05 LL00	117.52	114.15	112.98	
PL.9095	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.09	7.02 LL00	116.97	113.46	112.25	
PL.9098	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.07	7.02 LL00	117.06	113.58	112.38	
PL.9099	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.14	7.00 LL00	116.70	113.13	111.91	
PL.9102	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.14	7.00 LL00	116.64	113.04	111.82	
PL.9940	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.01	7.30 LL00	121.71	120.64	120.41	
PL.10043	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.20 LL01-LL02	119.96	117.23	116.20	
PL.10044	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.20 LL01-LL02	120.06	117.35	116.34	
PL.10342	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.12	7.11 LL01-LL02	118.54	115.44	114.33	
PL.10502	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.31	7.17 LL01-LL02	119.48	117.77	117.40	
PL.10503	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.57	7.16 LL01-LL02	119.39	117.67	117.29	
PL.10774	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.24	7.16 LL01-LL02	119.39	117.67	117.29	
PL.17977	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.00	7.19 LL01-LL02	119.87	117.12	116.09	
PL.17978	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.00	7.19 LL01-LL02	119.87	117.12	116.09	
PL.19207	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.17 LL01-LL02	119.45	117.74	117.36	
PL.19268	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.07	7.17 LL01-LL02	119.44	117.73	117.36	
PL.19469	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.08	7.35 LL01-LL02	122.53	121.67	121.49	
PL.2187	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.09	7.19 LL01-LL02	119.87	117.11	116.08	
PL.2190	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.26	7.20 LL01-LL02	119.95	117.21	116.19	
PL.2204	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.08	7.11 LL01-LL02	118.56	115.46	114.35	
PL.2206	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.16	7.11 LL01-LL02	118.56	115.46	114.35	
PL.2207	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.07	7.11 LL01-LL02	118.55	115.45	114.34	
PL.2212	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.25	7.20 LL01-LL02	119.97	117.24	116.22	
PL.2213	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.09	7.20 LL01-LL02	119.95	117.21	116.19	
PL.23484	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.07	7.16 LL01-LL02	119.39	117.67	117.29	
PL.23485	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.14	7.16 LL01-LL02	119.39	117.66	117.29	
PL.23486	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.16 LL01-LL02	119.39	117.67	117.29	
PL.24925	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.19 LL01-LL02	119.87	117.12	116.09	
PL.24926	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.20	7.19 LL01-LL02	119.90	117.15	116.12	
PL.24927	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.17	7.20 LL01-LL02	119.93	117.18	116.16	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.24935	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.18 LL01-LL02	119.70	116.90	115.85	
PL.24936	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.10	7.18 LL01-LL02	119.69	116.89	115.85	
PL.24939	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.16	7.17 LL01-LL02	119.45	116.59	115.53	
PL.25075	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.08	7.20 LL01-LL02	119.96	117.23	116.20	
PL.25076	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.51	7.20 LL01-LL02	119.98	117.24	116.22	
PL.25358	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.13	7.18 LL01-LL02	119.72	116.93	115.89	
PL.25359	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.15	7.18 LL01-LL02	119.69	116.89	115.84	
PL.25360	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.04	7.18 LL01-LL02	119.69	116.88	115.84	
PL.25362	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.10	7.11 LL01-LL02	118.55	115.45	114.34	
PL.25411	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.10	7.37 LL01-LL02	122.83	122.06	121.89	
PL.25418	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.10	7.11 LL01-LL02	118.56	115.46	114.35	
PL.25419	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.14	7.11 LL01-LL02	118.56	115.46	114.35	
PL.25420	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.13	7.11 LL01-LL02	118.55	115.46	114.35	
PL.25421	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.38	7.08 LL01-LL02	118.02	114.79	113.64	
PL.25511	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.02	7.35 LL01-LL02	122.51	121.65	121.46	
PL.25512	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.07	7.35 LL01-LL02	122.43	121.55	121.36	
PL.25542	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.11	7.38 LL01-LL02	123.05	122.33	122.18	
PL.27673	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.17 LL01-LL02	119.46	117.75	117.38	
PL.27674	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.17 LL01-LL02	119.45	117.74	117.37	
PL.27869	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.20	7.36 LL01-LL02	122.62	121.79	121.61	
PL.28032	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.04	7.19 LL01-LL02	119.88	117.12	116.09	
PL.28033	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.08	7.19 LL01-LL02	119.88	117.12	116.09	
PL.2923	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.15	7.19 LL01-LL02	119.89	117.14	116.11	
PL.2926	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.20	7.19 LL01-LL02	119.89	117.14	116.11	
PL.2927	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.20 LL01-LL02	119.98	117.24	116.22	
PL.2932	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.14	7.19 LL01-LL02	119.88	117.13	116.10	
PL.2933	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.13	7.19 LL01-LL02	119.87	117.12	116.09	
PL.2946	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.08	7.20 LL01-LL02	119.98	117.24	116.22	
PL.2947	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.12	7.20 LL01-LL02	119.98	117.24	116.22	
PL.2980	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.20 LL01-LL02	119.96	117.23	116.20	
PL.2981	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.14	7.18 LL01-LL02	119.70	116.90	115.86	
PL.2982	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.15	7.17 LL01-LL02	119.45	116.58	115.52	
PL.2983	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.07	7.18 LL01-LL02	119.69	116.88	115.84	
PL.2984	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.04	7.18 LL01-LL02	119.69	116.89	115.84	
PL.2985	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.12	7.11 LL01-LL02	118.53	115.43	114.32	
PL.2992	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.11	7.18 LL01-LL02	119.69	116.88	115.84	
PL.2995	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.03	7.18 LL01-LL02	119.69	116.89	115.84	
PL.38183	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.19 LL01-LL02	119.87	117.12	116.09	
PL.38184	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.19 LL01-LL02	119.87	117.12	116.09	

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.40914	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.20	LL01-LL02	120.08	117.38	116.36
PL.40915	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.21	LL01-LL02	120.10	117.40	116.39
PL.42580	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.11	LL01-LL02	118.54	115.43	114.32
PL.42581	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.11	LL01-LL02	118.53	115.43	114.32
PL.42584	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.00	7.11	LL01-LL02	118.55	115.45	114.34
PL.42585	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.02	7.11	LL01-LL02	118.55	115.45	114.34
PL.42586	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.11	LL01-LL02	118.57	115.47	114.36
PL.42587	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.22	7.11	LL01-LL02	118.56	115.46	114.35
PL.42588	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.11	LL01-LL02	118.57	115.47	114.36
PL.42589	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.53	7.11	LL01-LL02	118.58	115.48	114.38
PL.42590	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.00	7.08	LL01-LL02	118.02	114.79	113.64
PL.42591	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.37	7.08	LL01-LL02	118.01	114.77	113.63
PL.42918	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.00	7.20	LL01-LL02	119.95	117.22	116.19
PL.42919	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.20	LL01-LL02	119.95	117.21	116.19
PL.42920	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.00	7.20	LL01-LL02	119.95	117.22	116.19
PL.42921	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.20	LL01-LL02	119.95	117.22	116.19
PL.42922	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.00	7.20	LL01-LL02	119.93	117.18	116.16
PL.42923	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.20	LL01-LL02	119.93	117.18	116.16
PL.45363	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.11	LL01-LL02	118.55	115.45	114.34
PL.45364	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.02	7.11	LL01-LL02	118.55	115.45	114.34
PL.45476	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.03	7.19	LL01-LL02	119.87	117.12	116.09
PL.6585	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.28	7.20	LL01-LL02	119.95	117.21	116.19
PL.6586	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.08	7.20	LL01-LL02	119.95	117.21	116.19
PL.6591	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.04	7.11	LL01-LL02	118.54	115.43	114.32
PL.6592	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.03	7.11	LL01-LL02	118.53	115.43	114.32
PL.6593	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.12	7.11	LL01-LL02	118.54	115.43	114.32
PL.6594	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.08	7.11	LL01-LL02	118.55	115.46	114.35
PL.7156	SIDEVIEW	SIDEVIEW4	ABC	6ACWC	0.10	7.38	LL01-LL02	122.94	122.19	122.03
PL.7185	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.16	LL01-LL02	119.41	117.69	117.31
PL.7186	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.16	LL01-LL02	119.41	117.69	117.31
PL.7187	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.17	LL01-LL02	119.47	117.76	117.39
PL.7188	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.16	7.17	LL01-LL02	119.42	117.70	117.33
PL.7189	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.09	7.17	LL01-LL02	119.45	117.74	117.37
PL.7191	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.17	LL01-LL02	119.45	117.74	117.37
PL.8661	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.19	LL01-LL02	119.89	117.14	116.12
PL.8662	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.12	7.19	LL01-LL02	119.88	117.13	116.10
PL.8663	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.04	7.19	LL01-LL02	119.87	117.12	116.09
PL.9717	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.24	7.21	LL01-LL02	120.23	117.56	116.55
PL.9814	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.09	7.20	LL01-LL02	120.06	117.35	116.34

Winter_Low_Voltage

Section		Feeder Name	Phasing	Equipment	Length (Miles)	Primary kV (Bal)	Timing	EXISTING	LL2 JAN05	LL4 JAN05
Name	Source Name							JAN05 Base Volts (Bal)	Base Volts (Bal)	Base Volts (Bal)
PL.9815	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.20	LL01-LL02	120.08	117.38	116.36
PL.10494	SIDEVIEW	SIDEVIEW4	ABC	336ACSR	0.05	7.35	LL03-LL04	122.52	121.70	121.52
PL.10495	SIDEVIEW	SIDEVIEW4	ABC	336ACSR	0.08	7.35	LL03-LL04	122.52	121.70	121.53
PL.10496	SIDEVIEW	SIDEVIEW4	ABC	336ACSR	0.08	7.35	LL03-LL04	122.53	121.71	121.53
PL.10497	SIDEVIEW	SIDEVIEW4	ABC	336ACSR	0.10	7.35	LL03-LL04	122.53	121.71	121.54
PL.10498	SIDEVIEW	SIDEVIEW4	ABC	336ACSR	0.04	7.35	LL03-LL04	122.53	121.71	121.54
PL.10499	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.05	7.18	LL03-LL04	119.67	118.01	117.65
PL.10500	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.03	7.19	LL03-LL04	119.77	118.14	117.78
PL.10501	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.06	7.19	LL03-LL04	119.77	118.13	117.78
PL.10769	SIDEVIEW	SIDEVIEW4	ABC	4ACSR	0.02	7.35	LL03-LL04	122.44	121.60	121.42
PL.10770	SIDEVIEW	SIDEVIEW4	ABC	4ACSR	0.13	7.35	LL03-LL04	122.47	121.64	121.46
PL.10771	SIDEVIEW	SIDEVIEW4	ABC	4ACSR	0.14	7.35	LL03-LL04	122.44	121.60	121.42
PL.10772	SIDEVIEW	SIDEVIEW4	ABC	336ACSR	0.09	7.35	LL03-LL04	122.52	121.69	121.52
PL.10773	SIDEVIEW	SIDEVIEW4	ABC	336ACSR	0.06	7.35	LL03-LL04	122.52	121.70	121.52
PL.10775	SIDEVIEW	SIDEVIEW4	ABC	4ACSR	0.11	7.35	LL03-LL04	122.54	121.72	121.55
PL.10777	SIDEVIEW	SIDEVIEW4	ABC	4ACSR	0.20	7.36	LL03-LL04	122.59	121.79	121.62
PL.15654	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.19	LL03-LL04	119.80	118.17	117.81
PL.15655	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.12	7.19	LL03-LL04	119.79	118.16	117.81
PL.15658	SIDEVIEW	SIDEVIEW4	ABC	4ACSR	0.02	7.34	LL03-LL04	122.40	121.54	121.36
PL.183	SIDEVIEW	SIDEVIEW4	ABC	4ACSR	0.27	7.34	LL03-LL04	122.40	121.54	121.36
PL.21406	SIDEVIEW	SIDEVIEW4	ABC	4ACSR	0.09	7.34	LL03-LL04	122.39	121.54	121.36
PL.23487	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.13	7.18	LL03-LL04	119.70	118.04	117.68
PL.23962	SIDEVIEW	SIDEVIEW4	ABC	4ACSR	0.00	7.35	LL03-LL04	122.44	121.60	121.42
PL.2486	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.15	7.19	LL03-LL04	119.76	118.12	117.76
PL.2487	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.14	7.18	LL03-LL04	119.74	118.10	117.74
PL.2490	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.20	7.19	LL03-LL04	119.80	118.17	117.81
PL.25357	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.40	7.24	LL03-LL04	120.73	118.19	117.21
PL.27773	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.01	7.19	LL03-LL04	119.76	118.13	117.77
PL.27774	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.11	7.18	LL03-LL04	119.70	118.04	117.68
PL.28466	SIDEVIEW	SIDEVIEW4	ABC	4ACSR	0.09	7.34	LL03-LL04	122.39	121.54	121.36
PL.2961	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.07	7.24	LL03-LL04	120.73	118.19	117.21
PL.7181	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.07	7.19	LL03-LL04	119.79	118.16	117.81
PL.7184	SIDEVIEW	SIDEVIEW4	ABC	4ACSR	0.08	7.35	LL03-LL04	122.50	121.67	121.50
PL.7195	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.12	7.19	LL03-LL04	119.79	118.16	117.80
PL.7196	SIDEVIEW	SIDEVIEW4	B	4ACSR	0.00	7.19	LL03-LL04	119.79	118.16	117.80

Appendix A

2006 LOAD FORECAST



Table 1-1 (continued)
Clark Energy Cooperative
Power Requirements Study
Peaks Summary

<i>Winter</i>		<i>Summer</i>				
Season	Noncoincident Peak Demand (MW)	Year	Noncoincident Peak Demand (MW)	Year	Purchased Power (MWh)	Load Factor (%)
1989 - 90	64.0	1990	51.1	1990	235,946	42.1%
1990 - 91	57.9	1991	54.5	1991	248,153	48.9%
1991 - 92	59.9	1992	52.1	1992	252,997	48.2%
1992 - 93	63.5	1993	60.0	1993	274,687	49.4%
1993 - 94	77.0	1994	59.0	1994	277,933	41.2%
1994 - 95	68.0	1995	65.0	1995	296,611	49.8%
1995 - 96	79.8	1996	66.8	1996	323,310	46.2%
1996 - 97	80.1	1997	70.3	1997	321,396	45.8%
1997 - 98	72.8	1998	73.5	1998	337,162	52.4%
1998 - 99	87.3	1999	82.4	1999	353,317	46.2%
1999 - 00	94.5	2000	81.9	2000	374,001	45.2%
2000 - 01	103.5	2001	84.6	2001	401,373	44.3%
2001 - 02	93.7	2002	88.7	2002	411,248	50.1%
2002 - 03	110.3	2003	86.6	2003	418,275	43.3%
2003 - 04	111.2	2004	85.2	2004	427,871	43.9%
2004 - 05	114.5	2005	93.4	2005	449,841	44.9%
2005 - 06	108.2	2006	95.5	2006	454,215	47.9%
2006 - 07	119.8	2007	98.1	2007	472,730	45.1%
2007 - 08	122.0	2008	99.5	2008	482,565	45.2%
2008 - 09	125.5	2009	101.8	2009	494,328	45.0%
2009 - 10	128.6	2010	103.7	2010	505,643	44.9%
2010 - 11	131.0	2011	105.2	2011	514,705	44.8%
2011 - 12	133.6	2012	106.9	2012	526,375	45.0%
2012 - 13	137.7	2013	109.5	2013	540,014	44.8%
2013 - 14	140.8	2014	111.5	2014	551,617	44.7%
2014 - 15	143.9	2015	113.4	2015	562,976	44.7%
2015- 16	148.3	2016	116.9	2016	583,497	44.9%
2016 - 17	151.8	2017	119.3	2017	595,062	44.7%
2017 - 18	155.1	2018	121.4	2018	607,412	44.7%
2018 - 19	158.5	2019	123.6	2019	620,072	44.7%
2019-20	161.7	2020	125.7	2020	634,027	44.8%
2020-21	165.5	2021	128.1	2021	646,669	44.6%
2021-22	168.9	2022	130.5	2022	659,916	44.6%
2022-23	173.1	2023	133.2	2023	675,654	44.5%
2023-24	176.4	2024	135.3	2024	690,378	44.7%
2024-25	180.5	2025	138.1	2025	703,952	44.5%

Table 3-6

Clark Energy Peak Day Weather Scenarios										
Winter Peak Day Minimum Temperatures					Summer Peak Day Maximum Temperatures					
	Mild	Normal	Extreme				Normal	Extreme		
Degrees	10	-3	-12	-17	-25	Degrees	94	98	100	104
Probability	99%	50%	20%	10%	3%	Probability	50%	20%	10%	3%
Occurs Once Every	2 Years	5 Years	10 Years	30 Years		2 Years	5 Years	10 Years	30 Years	
Noncoincident Winter Peak Demand - MW					Noncoincident Summer Peak Demand - MW					
Season	Mild	Normal	Extreme			Year	Normal	Extreme		
2006 - 07	102	120	132	139	150	2006	96	109	115	129
2007 - 08	104	122	135	142	153	2007	98	111	118	132
2008 - 09	107	125	138	146	157	2008	100	113	120	134
2009 - 10	109	129	142	149	161	2009	102	116	123	137
2010 - 11	111	131	145	152	165	2010	104	118	125	139
2011 - 12	113	134	148	156	168	2011	105	120	127	142
2012 - 13	117	138	152	160	173	2012	107	122	129	144
2013 - 14	119	141	156	164	177	2013	110	124	132	147
2014 - 15	122	144	159	168	181	2014	111	127	135	150
2015- 16	126	148	164	173	187	2015	113	129	137	153
2016 - 17	129	152	168	177	191	2016	117	133	141	157
2017 - 18	131	155	172	181	195	2017	119	135	144	160
2018 - 19	134	159	175	185	200	2018	121	138	146	163
2019-20	137	162	179	189	204	2019	124	140	149	166
2020-21	140	166	183	193	209	2020	126	143	151	169
2021-22	143	169	187	197	213	2021	128	145	154	172
2022-23	146	173	192	202	218	2022	131	148	157	175
2023-24	149	176	195	206	223	2023	133	151	160	178
2024-25	152	181	200	211	228	2024	135	154	163	181
						2025	138	157	166	185

Table 1-1
Clark Energy Cooperative
2006 Load Forecast
MWh Summary

Year	Residential Sales (MWh)	Seasonal Sales (MWh)	Small Comm. Sales (MWh)	Public Buildings (MWh)	Large Comm. Sales (MWh)	Other Sales (MWh)	Total Sales (MWh)	Office Use (MWh)	% Loss	Purchased Power (MWh)
1990	161,301	0	54,943	0	716	446	217,406	506	7.6	235,946
1991	169,722	0	57,046	0	122	479	227,369	493	8.2	248,153
1992	172,313	0	58,436	0	1,919	527	233,196	422	7.7	252,997
1993	193,421	0	61,275	0	1,565	596	256,858	456	6.3	274,687
1994	190,886	0	62,591	0	3,728	653	257,858	509	7.0	277,933
1995	204,347	0	66,227	0	6,625	800	278,000	532	6.1	296,611
1996	220,157	0	69,687	0	8,222	1,003	299,069	565	7.3	323,310
1997	223,132	0	71,759	0	5,376	925	301,192	511	6.1	321,396
1998	234,698	0	78,457	0	1,717	605	315,476	498	6.3	337,162
1999	248,859	0	77,390	0	2,050	583	328,882	516	6.8	353,317
2000	264,282	0	78,100	0	9,212	541	352,135	532	5.7	374,001
2001	280,250	0	80,559	0	10,870	534	372,213	508	7.1	401,373
2002	297,277	0	82,632	0	10,726	540	391,175	522	4.8	411,248
2003	297,031	0	86,523	0	8,364	538	392,455	541	6.0	418,275
2004	304,332	0	88,922	0	8,173	560	401,986	588	5.9	427,871
2005	327,283	0	91,761	0	9,095	636	428,774	539	4.6	449,841
2006	325,117	0	92,970	0	12,218	650	430,954	550	5.0	454,215
2007	334,434	0	94,961	0	18,501	647	448,544	550	5.0	472,730
2008	341,933	0	96,807	0	18,501	647	457,887	550	5.0	482,565
2009	351,162	0	98,752	0	18,501	647	469,062	550	5.0	494,328
2010	359,982	0	100,681	0	18,501	647	479,811	550	5.0	505,643
2011	366,672	0	102,598	0	18,501	649	488,420	550	5.0	514,705
2012	375,776	0	104,579	0	18,501	650	499,506	550	5.0	526,375
2013	386,744	0	106,567	0	18,501	652	512,464	550	5.0	540,014
2014	395,757	0	108,575	0	18,501	654	523,486	550	5.0	551,617
2015	404,541	0	110,579	0	18,501	655	534,277	550	5.0	562,976
2016	413,759	0	112,590	0	26,765	657	553,772	550	5.0	583,497
2017	422,724	0	114,611	0	26,765	659	564,759	550	5.0	595,062
2018	432,417	0	116,648	0	26,765	662	576,491	550	5.0	607,412
2019	442,394	0	118,696	0	26,765	664	588,519	550	5.0	620,072
2020	453,587	0	120,757	0	26,765	666	601,775	550	5.0	634,027
2021	463,521	0	122,832	0	26,765	668	613,786	550	5.0	646,669
2022	474,011	0	124,924	0	26,765	670	626,371	550	5.0	659,916
2023	486,847	0	127,036	0	26,765	672	641,321	550	5.0	675,654
2024	498,709	0	129,160	0	26,765	675	655,309	550	5.0	690,378
2025	509,490	0	131,272	0	26,765	677	668,205	550	5.0	703,952

Table 3-2
Clark Energy Cooperative
2006 Load Forecast
Residential Summary

	<i>Customers</i>			<i>Use Per Customer</i>			<i>Class Sales</i>		
	Annual Average	Annual Change	% Change	Monthly Average (kWh)	Annual Change (kWh)	% Change	Total (MWh)	Annual Change (MWh)	% Change
1990	15,837			849			161,301		
1991	16,157	320	2.0	875	27	3.1	169,722	8,421	5.2
1992	16,726	569	3.5	859	-17	-1.9	172,313	2,591	1.5
1993	17,272	546	3.3	933	75	8.7	193,421	21,108	12.2
1994	17,828	556	3.2	892	-41	-4.4	190,886	-2,535	-1.3
1995	18,474	646	3.6	922	30	3.3	204,347	13,461	7.1
1996	18,988	514	2.8	966	44	4.8	220,157	15,809	7.7
1997	19,768	780	4.1	941	-26	-2.6	223,132	2,975	1.4
1998	20,622	854	4.3	948	8	0.8	234,698	11,565	5.2
1999	21,153	531	2.6	980	32	3.4	248,859	14,162	6.0
2000	21,567	414	2.0	1,021	41	4.2	264,282	15,423	6.2
2001	22,043	476	2.2	1,059	38	3.8	280,250	15,967	6.0
2002	22,555	512	2.3	1,098	39	3.7	297,277	17,028	6.1
2003	22,939	384	1.7	1,079	-19	-1.8	297,031	-247	-0.1
2004	23,306	367	1.6	1,088	9	0.8	304,332	7,301	2.5
2005	23,561	255	1.1	1,158	69	6.4	327,283	22,951	7.5
2006	23,934	373	1.6	1,132	-26	-2.2	325,117	-2,166	-0.7
2007	24,335	401	1.7	1,145	13	1.2	334,434	9,317	2.9
2008	24,740	405	1.7	1,152	7	0.6	341,933	7,499	2.2
2009	25,178	438	1.8	1,162	11	0.9	351,162	9,229	2.7
2010	25,610	432	1.7	1,171	9	0.8	359,982	8,820	2.5
2011	26,046	436	1.7	1,173	2	0.2	366,672	6,690	1.9
2012	26,503	457	1.8	1,182	8	0.7	375,776	9,104	2.5
2013	26,961	458	1.7	1,195	14	1.2	386,744	10,968	2.9
2014	27,422	461	1.7	1,203	7	0.6	395,757	9,013	2.3
2015	27,883	461	1.7	1,209	6	0.5	404,541	8,784	2.2
2016	28,345	462	1.7	1,216	7	0.6	413,759	9,218	2.3
2017	28,807	462	1.6	1,223	6	0.5	422,724	8,965	2.2
2018	29,268	461	1.6	1,231	8	0.7	432,417	9,693	2.3
2019	29,730	462	1.6	1,240	9	0.7	442,394	9,977	2.3
2020	30,193	463	1.6	1,252	12	1.0	453,587	11,193	2.5
2021	30,659	466	1.5	1,260	8	0.6	463,521	9,933	2.2
2022	31,128	469	1.5	1,269	9	0.7	474,011	10,491	2.3
2023	31,601	473	1.5	1,284	15	1.2	486,847	12,836	2.7
2024	32,077	476	1.5	1,296	12	0.9	498,709	11,862	2.4
2025	32,550	473	1.5	1,304	9	0.7	509,490	10,781	2.2

Table 3-3
Clark Energy Cooperative
2006 Load Forecast
Small Commercial Summary

	<i>Customers</i>			<i>Use Per Customer</i>			<i>Class Sales</i>		
	Annual Average	Annual Change	% Change	Annual Average (MWh)	Annual Change (MWh)	% Change	Total (MWh)	Annual Change (MWh)	% Change
1990	1,027			53			54,943		
1991	1,047	20	1.9	54	1	1.8	57,046	2,103	3.8
1992	1,064	17	1.6	55	0	0.8	58,436	1,390	2.4
1993	1,090	26	2.4	56	1	2.4	61,275	2,839	4.9
1994	1,126	36	3.3	56	-1	-1.1	62,591	1,316	2.1
1995	1,164	38	3.4	57	1	2.4	66,227	3,637	5.8
1996	1,210	46	4.0	58	1	1.2	69,687	3,460	5.2
1997	1,235	25	2.1	58	1	0.9	71,759	2,072	3.0
1998	1,260	25	2.0	62	4	7.2	78,457	6,698	9.3
1999	1,291	31	2.5	60	-2	-3.7	77,390	-1,067	-1.4
2000	1,327	36	2.8	59	-1	-1.8	78,100	710	0.9
2001	1,363	36	2.7	59	0	0.4	80,559	2,459	3.1
2002	1,400	37	2.7	59	0	-0.1	82,632	2,073	2.6
2003	1,414	14	1.0	61	2	3.7	86,523	3,891	4.7
2004	1,466	52	3.7	61	-1	-0.9	88,922	2,399	2.8
2005	1,562	96	6.5	59	-2	-3.1	91,761	2,839	3.2
2006	1,612	50	3.2	58	-1	-1.8	92,970	1,209	1.3
2007	1,642	30	1.9	58	0	0.6	94,961	1,991	2.1
2008	1,668	26	1.6	58	0	0.0	96,807	1,845	1.9
2009	1,692	24	1.4	58	0	0.0	98,752	1,946	2.0
2010	1,716	24	1.4	59	1	1.7	100,681	1,929	2.0
2011	1,739	23	1.3	59	0	0.0	102,598	1,918	1.9
2012	1,761	22	1.3	59	0	0.0	104,579	1,981	1.9
2013	1,784	23	1.3	60	1	1.7	106,567	1,988	1.9
2014	1,806	22	1.2	60	0	0.0	108,575	2,008	1.9
2015	1,829	23	1.3	60	0	0.0	110,579	2,004	1.8
2016	1,852	23	1.3	61	1	1.7	112,590	2,011	1.8
2017	1,876	24	1.3	61	0	0.0	114,611	2,021	1.8
2018	1,900	24	1.3	61	0	0.0	116,648	2,037	1.8
2019	1,924	24	1.3	62	1	1.6	118,696	2,048	1.8
2020	1,949	25	1.3	62	0	0.0	120,757	2,062	1.7
2021	1,974	25	1.3	62	0	0.0	122,832	2,075	1.7
2022	2,000	26	1.3	62	0	0.0	124,924	2,092	1.7
2023	2,026	26	1.3	63	1	1.6	127,036	2,112	1.7
2024	2,052	26	1.3	63	0	0.0	129,160	2,124	1.7
2025	2,078	26	1.3	63	0	0.0	131,272	2,112	1.6

Table 3-4
Clark Energy Cooperative
2006 Load Forecast
Large Commercial Summary

	<i>Customers</i>			<i>Use Per Customer</i>			<i>Class Sales</i>		
	Annual Average	Annual Change	% Change	Annual Average (MWh)	Annual Change (MWh)	% Change	Total (MWh)	Annual Change (MWh)	% Change
1990	1			716			716		
1991	1	0	0.0	122	-594	-82.9	122	-594	-82.9
1992	1	0	0.0	1,919	1,796	1468.3	1,919	1,796	1468.3
1993	1	0	0.0	1,565	-353	-18.4	1,565	-353	-18.4
1994	1	0	0.0	3,728	2,163	138.2	3,728	2,163	138.2
1995	1	0	0.0	6,625	2,897	77.7	6,625	2,897	77.7
1996	2	1	100.0	4,111	-2,514	-38.0	8,222	1,597	24.1
1997	1	-1	-50.0	5,376	1,265	30.8	5,376	-2,846	-34.6
1998	0	-1	-100.0				1,717	-3,659	-68.1
1999	1	1		2,050			2,050	332	19.3
2000	1	0	0.0	9,212	7,163	349.5	9,212	7,163	349.5
2001	1	0	0.0	10,870	1,658	18.0	10,870	1,658	18.0
2002	1	0	0.0	10,726	-144	-1.3	10,726	-144	-1.3
2003	2	1	100.0	4,182	-6,544	-61.0	8,364	-2,362	-22.0
2004	1	-1	-50.0	8,173	3,991	95.4	8,173	-191	-2.3
2005	1	0	0.0	9,095	922	11.3	9,095	922	11.3
2006	1	0	0.0	12,218	3,123	34.3	12,218	3,123	34.3
2007	2	1	100.0	9,250	-2,968	-24.3	18,501	6,283	51.4
2008	2	0	0.0	9,250	0	0.0	18,501	0	0.0
2009	2	0	0.0	9,250	0	0.0	18,501	0	0.0
2010	2	0	0.0	9,250	0	0.0	18,501	0	0.0
2011	2	0	0.0	9,250	0	0.0	18,501	0	0.0
2012	2	0	0.0	9,250	0	0.0	18,501	0	0.0
2013	2	0	0.0	9,250	0	0.0	18,501	0	0.0
2014	2	0	0.0	9,250	0	0.0	18,501	0	0.0
2015	2	0	0.0	9,250	0	0.0	18,501	0	0.0
2016	3	1	50.0	8,922	-329	-3.6	26,765	8,264	44.7
2017	3	0	0.0	8,922	0	0.0	26,765	0	0.0
2018	3	0	0.0	8,922	0	0.0	26,765	0	0.0
2019	3	0	0.0	8,922	0	0.0	26,765	0	0.0
2020	3	0	0.0	8,922	0	0.0	26,765	0	0.0
2021	3	0	0.0	8,922	0	0.0	26,765	0	0.0
2022	3	0	0.0	8,922	0	0.0	26,765	0	0.0
2023	3	0	0.0	8,922	0	0.0	26,765	0	0.0
2024	3	0	0.0	8,922	0	0.0	26,765	0	0.0
2025	3	0	0.0	8,922	0	0.0	26,765	0	0.0

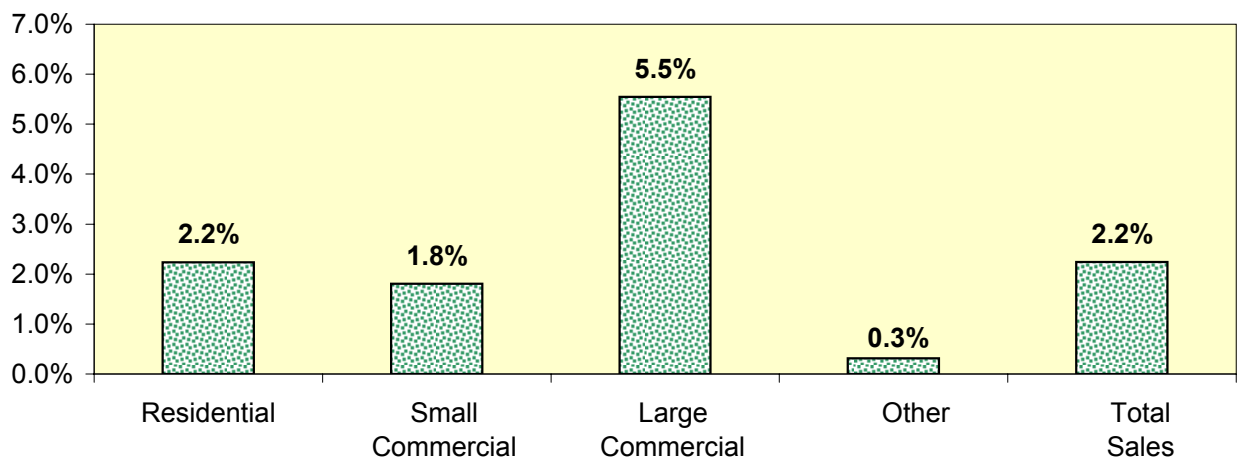
Table 3-5
Clark Energy Cooperative
2006 Load Forecast
Other Summary

	<i>Customers</i>			<i>Use Per Customer</i>			<i>Class Sales</i>		
	Annual Average	Annual Change	% Change	Monthly Average (kWh)	Annual Change (MWh)	% Change	Total (MWh)	Annual Change (MWh)	% Change
1990	12			3,097			446		
1991	15	3	25.0	2,659	-438	-14.1	479	33	7.3
1992	19	4	26.7	2,313	-346	-13.0	527	49	10.2
1993	42	23	121.1	1,183	-1,130	-48.8	596	69	13.1
1994	59	17	40.5	922	-262	-22.1	653	56	9.4
1995	104	45	76.3	641	-281	-30.5	800	147	22.6
1996	164	60	57.7	510	-131	-20.5	1,003	203	25.4
1997	134	-30	-18.3	575	66	12.9	925	-78	-7.8
1998	18	-116	-86.6	2,799	2,223	386.5	605	-321	-34.6
1999	19	1	5.6	2,558	-241	-8.6	583	-21	-3.5
2000	21	2	10.5	2,145	-413	-16.1	541	-43	-7.3
2001	22	1	4.8	2,022	-123	-5.7	534	-7	-1.2
2002	21	-1	-4.5	2,142	120	5.9	540	6	1.1
2003	21	0	0.0	2,134	-9	-0.4	538	-2	-0.4
2004	23	2	9.5	2,029	-105	-4.9	560	22	4.1
2005	27	4	17.4	1,961	-67	-3.3	636	76	13.5
2006	27	0	0.0	2,005	44	2.2	650	14	2.2
2007	27	0	0.0	1,998	-7	-0.3	647	-2	-0.3
2008	27	0	0.0	1,996	-3	-0.1	647	-1	-0.1
2009	27	0	0.0	1,996	0	0.0	647	0	0.0
2010	27	0	0.0	1,998	2	0.1	647	1	0.1
2011	27	0	0.0	2,002	4	0.2	649	1	0.2
2012	27	0	0.0	2,006	4	0.2	650	1	0.2
2013	27	0	0.0	2,012	5	0.3	652	2	0.3
2014	27	0	0.0	2,017	6	0.3	654	2	0.3
2015	27	0	0.0	2,023	6	0.3	655	2	0.3
2016	27	0	0.0	2,029	6	0.3	657	2	0.3
2017	27	0	0.0	2,035	6	0.3	659	2	0.3
2018	27	0	0.0	2,042	6	0.3	662	2	0.3
2019	27	0	0.0	2,048	7	0.3	664	2	0.3
2020	27	0	0.0	2,055	7	0.3	666	2	0.3
2021	27	0	0.0	2,062	7	0.3	668	2	0.3
2022	27	0	0.0	2,068	7	0.3	670	2	0.3
2023	27	0	0.0	2,075	7	0.3	672	2	0.3
2024	27	0	0.0	2,082	7	0.3	675	2	0.3
2025	27	0	0.0	2,089	7	0.3	677	2	0.3

**Table 1-2
Clark Energy Cooperative
2006 Load Forecast
Summary of Sales Growth Rates**

5 Year Growth Rates					
Time Period	Residential	Small Commercial	Large Commercial	Other	Total Sales
1995-2000	5.3%	3.4%	6.8%	-7.5%	4.8%
2000-2005	4.4%	3.3%	-0.3%	3.3%	4.0%
2005-2010	1.9%	1.9%	15.3%	0.4%	2.3%
2010-2015	2.4%	1.9%	0.0%	0.2%	2.2%
2015-2020	2.3%	1.8%	7.7%	0.3%	2.4%
2020-2025	2.4%	1.7%	0.0%	0.3%	2.1%
10 Year Growth Rates					
1995-2005	4.8%	3.3%	3.2%	-2.3%	4.4%
2005-2015	2.1%	1.9%	7.4%	0.3%	2.2%
2015-2025	2.3%	1.7%	3.8%	0.3%	2.3%

**Clark Energy Average Annual Growth in Sales
2005-2025**



Appendix B

SAMPLE LOAD FLOW

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts					Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	-----Element-----		Cons On	Cons Thru
							Accum Drop	Thru Amps	% Cap	Thru KW	mi Length (mi)							KW	KVAR		
SIDEVIEW		A	SIDEVIEW	7.56Y	126.0	0.00	0.00	399.06	0	2993	381	99	0.00	0.0	0.000	0.000	0	0	0	501	
		B		7.56Y	126.0	0.00	0.00	484.01	0	3611	590	99					0	0	0	606	
		C		7.56Y	126.0	0.00	0.00	405.49	0	3039	400	99					0	0	0	545	
PL.29157	SIDEVIEW	A	4/OACSR	7.56Y	126.0	0.01	0.01	118.19	25	886	116	99	0.12	0.0	0.008	0.008	0	0	0	148	
		B		7.56Y	126.0	0.01	0.01	104.63	22	769	185	97					0	0	0	97	
		C		7.56Y	126.0	0.01	0.01	105.61	22	791	111	99					0	0	0	117	
PL.32896	PL.29157	A	4/OACSR	7.56Y	126.0	0.00	0.01	118.19	25	886	116	99	0.07	0.0	0.013	0.005	0	0	0	148	
		B		7.56Y	126.0	0.00	0.01	104.63	22	769	185	97					0	0	0	97	
		C		7.56Y	126.0	0.00	0.01	105.61	22	791	111	99					0	0	0	117	
----- Feeder No. 3 (SIDEVIEW3) Beginning with Device PD.3909 -----																					
PD.3909	PL.32896	A	VWVE	7.56Y	126.0	0.00	0.01	118.19	0	886	116	99	0.00	0.0	0.013	0.000	0	0	0	148	
		B		7.56Y	126.0	0.00	0.01	104.63	0	769	185	97					0	0	0	97	
		C		7.56Y	126.0	0.00	0.01	105.61	0	791	111	99					0	0	0	117	
PL.32897	PD.3909	A	4/OACSR	7.54Y	125.6	0.37	0.39	118.19	25	886	116	99	5.78	0.2	0.386	0.373	0	0	0	148	
		B		7.54Y	125.6	0.38	0.39	104.63	22	769	185	97					0	0	0	97	
		C		7.54Y	125.6	0.38	0.39	105.61	22	791	111	99					0	0	0	117	
PL.11316	PL.32897	C	4ACSR	7.54Y	125.6	0.00	0.39	9.38	5	69	15	98	0.00	0.0	0.393	0.007	0	0	0	10	
C PD.1706	PL.11316	C	fuse6AMP	7.54Y	125.6	0.00	0.39	9.38	160	69	15	98	0.00	0.0	0.393	0.000	0	0	0	10 C	
PL.11317	PD.1706	C	4ACSR	7.54Y	125.6	0.02	0.41	9.38	5	69	15	98	0.01	0.0	0.435	0.042	0	0	0	10	
PL.32725	PL.11317	C	4ACSR	7.53Y	125.6	0.01	0.42	9.38	5	69	15	98	0.01	0.0	0.459	0.024	0	0	0	10	
PL.32727	PL.32725	C	4ACSR	7.53Y	125.6	0.01	0.43	3.88	2	29	3	99	0.00	0.0	0.540	0.080	0	0	0	3	
PL.32728	PL.32727	C	4ACSR	7.53Y	125.6	0.00	0.43	0.84	0	6	1	99	0.00	0.0	0.596	0.057	0	0	0	1	
4816050	PL.32728	C	Consumer	7.53Y	125.6	0.00	0.43	0.84	0	6	1	99	0.00	0.0	0.596	0.000	6	1	1	1	
4816051	PL.32727	C	Consumer	7.53Y	125.6	0.00	0.43	1.70	0	13	1	99	0.00	0.0	0.540	0.000	13	1	1	1	
4816054	PL.32727	C	Consumer	7.53Y	125.6	0.00	0.43	1.33	0	10	1	99	0.00	0.0	0.540	0.000	10	1	1	1	
PL.32726	PL.32725	C	4ACSR	7.53Y	125.6	0.01	0.43	5.54	3	40	12	96	0.00	0.0	0.511	0.052	0	0	0	7	
481649	PL.32726	C	Consumer	7.53Y	125.6	0.00	0.43	1.10	0	8	1	99	0.00	0.0	0.511	0.000	8	1	1	1	
481617	PL.32726	C	Consumer	7.53Y	125.6	0.00	0.43	0.28	0	2	0	99	0.00	0.0	0.511	0.000	2	0	1	1	
PL.11320	PL.32726	C	4ACSR	7.53Y	125.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	0.617	0.106	0	0	0	0	
PL.2874	PL.32726	C	4ACSR	7.53Y	125.6	0.01	0.44	2.87	1	19	9	90	0.00	0.0	0.590	0.079	0	0	0	4	
PL.2875	PL.2874	C	4ACSR	7.53Y	125.5	0.01	0.45	2.87	1	19	9	90	0.00	0.0	0.646	0.056	0	0	0	4	
481630	PL.2875	C	Consumer	7.53Y	125.5	0.00	0.45	1.30	0	9	4	90	0.00	0.0	0.646	0.000	9	4	1	1	
481638	PL.2875	C	Consumer	7.53Y	125.5	0.00	0.45	0.67	0	5	2	90	0.00	0.0	0.646	0.000	5	2	1	1	
481639	PL.2875	C	Consumer	7.53Y	125.5	0.00	0.45	0.59	0	4	2	90	0.00	0.0	0.646	0.000	4	2	1	1	
PL.23208	PL.2875	C	4ACSR	7.53Y	125.5	0.00	0.45	0.30	0	2	1	90	0.00	0.0	0.673	0.027	0	0	0	1	
481608	PL.23208	C	Consumer	7.53Y	125.5	0.00	0.45	0.30	0	2	1	90	0.00	0.0	0.673	0.000	2	1	1	1	
481634	PL.2874	C	Consumer	7.53Y	125.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	0.590	0.000	0	0	0	0	
PL.2873	PL.32726	C	4ACSR	7.53Y	125.6	0.00	0.44	1.38	1	10	1	99	0.00	0.0	0.595	0.084	0	0	0	1	
481629	PL.2873	C	Consumer	7.53Y	125.6	0.00	0.44	1.38	0	10	1	99	0.00	0.0	0.595	0.000	10	1	1	1	
PL.11318	PL.32897	A	4/OACSR	7.53Y	125.5	0.14	0.53	118.19	25	884	112	99	1.93	0.1	0.518	0.132	0	0	0	148	
		B		7.53Y	125.5	0.13	0.52	104.63	22	767	182	97					0	0	0	97	
		C		7.53Y	125.5	0.11	0.50	96.25	20	719	93	99					0	0	0	107	
PL.42981	PL.11318	A	336ACSR	7.53Y	125.4	0.05	0.58	118.19	16	883	110	99	0.64	0.0	0.586	0.068	0	0	0	148	
		B		7.53Y	125.4	0.04	0.56	104.63	14	767	181	97					0	0	0	97	
		C		7.53Y	125.5	0.04	0.54	96.25	13	719	92	99					0	0	0	107	

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							% PF	kW Loss	% Loss	mi From Src	-----Element-----		Cons On	Cons Thru
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	Length (mi)	KW					KVAR			
PL.42986	PL.42981	A	336ACSR	7.52Y	125.3	0.13	0.70	118.19	16	883	110	99	1.62	0.1	0.759	0.174	0	0	0	148	
		B		7.52Y	125.3	0.11	0.67	104.63	14	766	181	97					0	0	0	97	
		C		7.52Y	125.4	0.10	0.65	96.25	13	719	92	99					0	0	0	107	
PL.42996	PL.42986	C	2ACSR	7.52Y	125.4	0.00	0.65	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	125.4	0.00	0.65	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	125.4	0.00	0.65	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	125.4	0.00	0.65	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	125.4	0.00	0.65	0.04	0	0	0	99	0.00	0.0	0.794	0.000	0	0	1	1	
PL.42989	PL.42986	A	336ACSR	7.52Y	125.3	0.03	0.73	118.19	16	882	108	99	0.37	0.0	0.799	0.040	0	0	0	148	
		B		7.52Y	125.3	0.03	0.70	104.63	14	766	179	97					0	0	0	97	
		C		7.52Y	125.3	0.02	0.67	95.42	13	712	90	99					0	0	0	105	
PL.42992	PL.42989	A	336ACSR	7.52Y	125.3	0.02	0.75	114.06	16	851	105	99	0.25	0.0	0.827	0.028	0	0	0	143	
		B		7.52Y	125.3	0.02	0.72	104.63	14	766	179	97					0	0	0	97	
		C		7.52Y	125.3	0.02	0.69	95.42	13	712	90	99					0	0	0	105	
PL.43008	PL.42992	A	336ACSR	7.51Y	125.2	0.03	0.78	114.06	16	851	104	99	0.39	0.0	0.870	0.043	0	0	0	143	
		B		7.52Y	125.3	0.03	0.75	104.63	14	766	179	97					0	0	0	97	
		C		7.52Y	125.3	0.02	0.71	95.26	13	711	90	99					0	0	0	104	
PL.43010	PL.43008	C	2ACSR	7.52Y	125.3	0.00	0.71	1.56	1	12	1	99	0.00	0.0	0.874	0.004	0	0	0	1	
PD.8561	PL.43010	C	fuse6AMP	7.52Y	125.3	0.00	0.71	1.56	27	12	1	99	0.00	0.0	0.874	0.000	0	0	0	1	
PL.43011	PD.8561	C	2ACSR	7.52Y	125.3	0.00	0.71	1.56	1	12	1	99	0.00	0.0	0.930	0.055	0	0	0	1	
482612	PL.43011	C	Consumer	7.52Y	125.3	0.00	0.71	1.56	0	12	1	99	0.00	0.0	0.930	0.000	12	1	1	1	
PL.43009	PL.43008	A	336ACSR	7.51Y	125.2	0.02	0.80	114.06	16	851	104	99	0.26	0.0	0.899	0.029	0	0	0	143	
		B		7.51Y	125.2	0.02	0.77	104.63	14	766	179	97					0	0	0	97	
		C		7.52Y	125.3	0.02	0.73	93.70	13	699	88	99					0	0	0	103	
PD.8567-A	PL.43009	A	Closed	7.51Y	125.2	0.00	0.80	114.06	0	851	104	99	0.00	0.0	0.899	0.000	0	0	0	143	
		B		7.51Y	125.2	0.00	0.77	104.63	0	766	178	97					0	0	0	97	
		C		7.52Y	125.3	0.00	0.73	93.70	0	699	88	99					0	0	0	103	
PD.8567-B	PD.8567-A	A	Closed	7.51Y	125.2	0.00	0.80	114.06	0	851	104	99	0.00	0.0	0.899	0.000	0	0	0	143	
		B		7.51Y	125.2	0.00	0.77	104.63	0	766	178	97					0	0	0	97	
		C		7.52Y	125.3	0.00	0.73	93.70	0	699	88	99					0	0	0	103	
PL.43005	PD.8567-B	A	336ACSR	7.51Y	125.2	0.02	0.82	114.06	16	851	104	99	0.26	0.0	0.929	0.029	0	0	0	143	
		B		7.51Y	125.2	0.02	0.79	104.63	14	766	178	97					0	0	0	97	
		C		7.52Y	125.3	0.02	0.74	93.70	13	699	88	99					0	0	0	103	
PL.43016	PL.43005	A	336ACSR	7.51Y	125.2	0.02	0.84	114.06	16	850	103	99	0.24	0.0	0.955	0.027	0	0	0	143	
		B		7.51Y	125.2	0.02	0.81	104.63	14	766	178	97					0	0	0	97	
		C		7.51Y	125.2	0.01	0.76	91.93	13	685	87	99					0	0	0	102	
PL.43015	PL.43016	B	2ACSR	7.51Y	125.2	0.00	0.81	1.33	1	10	1	100	0.00	0.0	0.961	0.006	0	0	0	2	
PD.8563	PL.43015	B	fuse6AMP	7.51Y	125.2	0.00	0.81	1.33	23	10	1	100	0.00	0.0	0.961	0.000	0	0	0	2	
PL.43508	PD.8563	B	4ACSR	7.51Y	125.2	0.00	0.81	1.33	1	10	1	100	0.00	0.0	1.019	0.058	0	0	0	2	
482620	PL.43508	B	Consumer	7.51Y	125.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	1.019	0.000	0	0	0	0	
PL.2629	PL.43508	B	4ACSR	7.51Y	125.2	0.01	0.82	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	7.51Y	125.2	0.00	0.82	0.09	0	1	0	-95	0.00	0.0	1.211	0.004	0	0	0	1	
PL.39125	PL.39124	B	1/0EPRJCN	7.51Y	125.2	0.00	0.82	0.09	0	1	0	-96	0.00	0.0	1.266	0.055	0	0	0	1	
4826037	PL.39125	B	Consumer	7.51Y	125.2	0.00	0.82	0.08	0	1	0	99	0.00	0.0	1.266	0.000	1	0	1	1	
482635	PL.2629	B	Consumer	7.51Y	125.2	0.00	0.82	1.25	0	9	1	99	0.00	0.0	1.207	0.000	9	1	1	1	
PL.43024	PL.43016	A	336ACSR	7.50Y	125.0	0.14	0.98	114.06	16	850	103	99	1.72	0.1	1.153	0.198	0	0	0	143	
		B		7.50Y	125.1	0.13	0.93	103.31	14	756	177	97					0	0	0	95	
		C		7.51Y	125.1	0.11	0.86	90.67	12	676	86	99					0	0	0	101	

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 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.43030, PL.43039, PD.8566, etc.

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts					KVAR	% PF	kW Loss	% Loss	mi From Src	-----Element-----		Cons On	Cons Thru
							Accum Drop	Thru Amps	% Cap	Thru KW	Length (mi)						KW	KVAR		
PD.8572-B	PD.8572-A	A	Closed	7.48Y	124.6	0.00	1.37	30.48	0	226	30	99	0.00	0.0	1.699	0.000	0	0	0	45
PL.43076	PD.8572-B	A	2ACSR	7.48Y	124.6	0.01	1.38	30.48	12	226	30	99	0.02	0.0	1.713	0.014	0	0	0	45
C PD.8571	PL.43076	A	35V4E	7.48Y	124.6	0.00	1.38	30.48	87	226	30	99	0.00	0.0	1.713	0.000	0	0	0	45 C
PL.43074	PD.8571	A	2ACSR	7.47Y	124.6	0.05	1.44	30.48	12	226	30	99	0.08	0.0	1.770	0.057	0	0	0	45
PL.11874	PL.43074	A	4ACSR	7.47Y	124.5	0.05	1.49	30.48	16	226	30	99	0.09	0.0	1.812	0.042	0	0	0	45
PL.24128	PL.11874	A	4ACSR	7.47Y	124.5	0.00	1.49	0.61	0	5	0	99	0.00	0.0	1.855	0.043	0	0	0	1
482713	PL.24128	A	Consumer	7.47Y	124.5	0.00	1.49	0.61	0	5	0	99	0.00	0.0	1.855	0.000	5	0	1	1
PL.11882	PL.11874	A	4ACSR	7.46Y	124.3	0.20	1.69	29.87	15	221	29	99	0.34	0.2	1.972	0.160	0	0	0	44
PL.24127	PL.11882	A	4ACSR	7.46Y	124.3	0.00	1.69	0.77	0	6	1	99	0.00	0.0	2.012	0.040	0	0	0	2
482617	PL.24127	A	Consumer	7.46Y	124.3	0.00	1.69	0.06	0	0	0	99	0.00	0.0	2.012	0.000	0	0	1	1
482607	PL.24127	A	Consumer	7.46Y	124.3	0.00	1.69	0.71	0	5	1	99	0.00	0.0	2.012	0.000	5	1	1	1
PL.24126	PL.11882	A	4ACSR	7.46Y	124.3	0.00	1.69	0.14	0	1	0	99	0.00	0.0	2.067	0.095	0	0	0	1
PL.3252	PL.24126	A	4ACSR	7.46Y	124.3	0.00	1.69	0.14	0	1	0	99	0.00	0.0	2.138	0.071	0	0	0	1
PL.3268	PL.3252	A	4ACSR	7.46Y	124.3	0.00	1.69	0.14	0	1	0	99	0.00	0.0	2.169	0.032	0	0	0	1
483752	PL.3268	A	Consumer	7.46Y	124.3	0.00	1.69	0.14	0	1	0	99	0.00	0.0	2.169	0.000	1	0	1	1
PL.17908	PL.11882	A	4ACSR	7.45Y	124.2	0.09	1.79	28.95	15	214	29	99	0.15	0.1	2.047	0.076	0	0	0	41
PL.17909	PL.17908	A	4ACSR	7.45Y	124.2	0.03	1.81	28.95	15	214	28	99	0.04	0.0	2.068	0.021	0	0	0	41
PL.11883	PL.17909	A	4ACSR	7.45Y	124.2	0.01	1.82	28.95	15	214	28	99	0.02	0.0	2.076	0.008	0	0	0	41
PL.11885	PL.11883	A	4ACSR	7.45Y	124.1	0.07	1.89	28.95	15	214	28	99	0.11	0.0	2.129	0.053	0	0	0	40
PL.11886	PL.11885	A	4ACSR	7.45Y	124.1	0.02	1.91	28.42	15	210	28	99	0.04	0.0	2.147	0.018	0	0	0	38
483608	PL.11886	A	Consumer	7.45Y	124.1	0.00	1.91	0.00	0	0	0	100	0.00	0.0	2.147	0.000	0	0	0	0
PL.11884	PL.11886	A	4ACSR	7.44Y	124.1	0.03	1.94	28.42	15	210	28	99	0.05	0.0	2.172	0.025	0	0	0	38
PL.11889	PL.11884	A	4ACSR	7.43Y	123.9	0.15	2.09	27.69	14	204	27	99	0.23	0.1	2.296	0.124	0	0	0	37
PL.11890	PL.11889	A	4ACSR	7.43Y	123.9	0.04	2.13	27.51	14	203	27	99	0.07	0.0	2.334	0.037	0	0	0	35
483633	PL.11890	A	Consumer	7.43Y	123.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	2.334	0.000	0	0	0	0
PL.11892	PL.11890	A	4ACSR	7.42Y	123.7	0.15	2.28	27.51	14	203	27	99	0.24	0.1	2.464	0.131	0	0	0	35
PL.11891	PL.11892	A	4ACSR	7.42Y	123.7	0.00	2.28	0.09	0	1	0	99	0.00	0.0	2.486	0.022	0	0	0	4
PD.1732	PL.11891	A	fuse6AMP	7.42Y	123.7	0.00	2.28	0.09	2	1	0	99	0.00	0.0	2.486	0.000	0	0	0	4
PL.19909	PD.1732	A	4ACSR	7.42Y	123.7	0.00	2.28	0.09	0	1	0	99	0.00	0.0	2.844	0.358	0	0	0	4
483611	PL.19909	A	Consumer	7.42Y	123.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	2.844	0.000	0	0	1	1
PL.19910	PL.19909	A	4ACSR	7.42Y	123.7	0.00	2.29	0.09	0	1	0	99	0.00	0.0	3.058	0.214	0	0	0	3
PL.2665	PL.19910	A	4ACSR	7.42Y	123.7	0.00	2.29	0.09	0	1	0	99	0.00	0.0	3.083	0.024	0	0	0	3
PL.24125	PL.2665	A	4ACSR	7.42Y	123.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	3.329	0.246	0	0	0	1
482616	PL.24125	A	Consumer	7.42Y	123.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	3.329	0.000	0	0	1	1
483632	PL.2665	A	Consumer	7.42Y	123.7	0.00	2.29	0.07	0	0	0	99	0.00	0.0	3.083	0.000	0	0	1	1
482608	PL.2665	A	Consumer	7.42Y	123.7	0.00	2.29	0.02	0	0	0	99	0.00	0.0	3.083	0.000	0	0	1	1
PL.11893	PL.11892	A	4ACSR	7.42Y	123.6	0.12	2.40	26.62	14	196	26	99	0.17	0.1	2.567	0.103	0	0	0	30
483603	PL.11893	A	Consumer	7.42Y	123.6	0.00	2.40	0.58	0	4	0	99	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\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	% PF	kW Loss	% Loss							
PL.11819	PL.11893	A	4ACSR	7.40Y	123.4	0.20	2.60	26.04	13	191	26	99	0.30	0.2	2.751	0.184	0	0	0	29
PL.11513	PL.11819	A	4ACSR	7.40Y	123.4	0.00	2.61	0.58	0	4	0	99	0.00	0.0	2.767	0.016	0	0	0	1
PD.1733	PL.11513	A	fuse6AMP	7.40Y	123.4	0.00	2.61	0.58	10	4	0	99	0.00	0.0	2.767	0.000	0	0	0	1
PL.11514	PD.1733	A	4ACSR	7.40Y	123.4	0.01	2.61	0.58	0	4	0	99	0.00	0.0	2.973	0.205	0	0	0	1
483621	PL.11514	A	Consumer	7.40Y	123.4	0.00	2.61	0.58	0	4	0	99	0.00	0.0	2.973	0.000	4	0	1	1
483602	PL.11514	A	Consumer	7.40Y	123.4	0.00	2.61	0.00	0	0	0	100	0.00	0.0	2.973	0.000	0	0	0	0
PL.11508	PL.11819	A	4ACSR	7.40Y	123.3	0.09	2.70	25.46	13	187	25	99	0.13	0.1	2.834	0.083	0	0	0	28
PL.11511	PL.11508	A	4ACSR	7.40Y	123.3	0.01	2.70	9.13	5	67	7	99	0.00	0.0	2.853	0.018	0	0	0	9
C PD.1734	PL.11511	A	fuse8AMP	7.40Y	123.3	0.00	2.70	9.13	125	67	7	99	0.00	0.0	2.853	0.000	0	0	0	9 C
PL.11512	PD.1734	A	4ACSR	7.40Y	123.3	0.03	2.73	9.13	5	67	7	99	0.01	0.0	2.927	0.074	0	0	0	9
PL.3248	PL.11512	A	4ACSR	7.40Y	123.3	0.00	2.73	1.45	1	11	1	99	0.00	0.0	2.976	0.048	0	0	0	1
483628	PL.3248	A	Consumer	7.40Y	123.3	0.00	2.73	1.45	0	11	1	99	0.00	0.0	2.976	0.000	11	1	1	1
483634	PL.3248	A	Consumer	7.40Y	123.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	2.976	0.000	0	0	0	0
PL.27794	PL.11512	A	4ACSR	7.40Y	123.3	0.01	2.74	7.68	4	57	6	99	0.00	0.0	2.954	0.027	0	0	0	8
483638	PL.27794	A	Consumer	7.40Y	123.3	0.00	2.74	1.34	0	10	1	99	0.00	0.0	2.954	0.000	10	1	1	1
PL.27795	PL.27794	A	4ACSR	7.40Y	123.3	0.00	2.74	6.34	3	47	5	99	0.00	0.0	2.967	0.013	0	0	0	7
PL.11509	PL.27795	A	4ACSR	7.39Y	123.2	0.02	2.76	4.08	2	30	3	99	0.00	0.0	3.077	0.110	0	0	0	4
PL.11510	PL.11509	A	4ACSR	7.39Y	123.2	0.00	2.76	1.43	1	10	1	99	0.00	0.0	3.121	0.044	0	0	0	1
483635	PL.11510	A	Consumer	7.39Y	123.2	0.00	2.76	1.43	0	10	1	99	0.00	0.0	3.121	0.000	10	1	1	1
483601	PL.11510	A	Consumer	7.39Y	123.2	0.00	2.76	0.00	0	0	0	100	0.00	0.0	3.121	0.000	0	0	0	0
PL.3262	PL.11509	A	4ACSR	7.39Y	123.2	0.02	2.78	2.65	1	19	2	99	0.00	0.0	3.241	0.164	0	0	0	3
483636	PL.3262	A	Consumer	7.39Y	123.2	0.00	2.78	1.26	0	9	1	99	0.00	0.0	3.241	0.000	9	1	1	1
PL.3264	PL.3262	A	4ACSR	7.39Y	123.2	0.01	2.79	1.40	1	10	1	99	0.00	0.0	3.358	0.117	0	0	0	2
483637	PL.3264	A	Consumer	7.39Y	123.2	0.00	2.79	1.39	0	10	1	99	0.00	0.0	3.358	0.000	10	1	1	1
PL.39421	PL.3264	A	2ACSR	7.39Y	123.2	-0.00	2.79	0.00	0	0	0	99	0.00	0.0	3.421	0.063	0	0	0	1
PL.45139	PL.39421	A	2ACSR	7.39Y	123.2	0.00	2.79	0.00	0	0	0	100	0.00	0.0	3.610	0.189	0	0	0	0
4836043	PL.45139	A	Consumer	7.39Y	123.2	0.00	2.79	0.00	0	0	0	100	0.00	0.0	3.610	0.000	0	0	0	0
4836042	PL.39421	A	Consumer	7.39Y	123.2	0.00	2.79	0.00	0	0	0	99	0.00	0.0	3.421	0.000	0	0	1	1
PL.7111	PL.27795	A	4ACSR	7.40Y	123.3	0.01	2.75	2.27	1	17	2	99	0.00	0.0	3.025	0.058	0	0	0	3
PL.31465	PL.7111	A	4ACSR	7.39Y	123.2	0.00	2.75	1.28	1	9	1	99	0.00	0.0	3.062	0.037	0	0	0	2
PL.31464	PL.31465	A	4ACSR	7.39Y	123.2	0.00	2.75	0.90	0	7	1	99	0.00	0.0	3.110	0.048	0	0	0	1
4836040	PL.31464	A	Consumer	7.39Y	123.2	0.00	2.75	0.90	0	7	1	99	0.00	0.0	3.110	0.000	7	1	1	1
PL.31466	PL.31465	A	4ACSR	7.39Y	123.2	0.00	2.75	0.38	0	3	0	99	0.00	0.0	3.118	0.057	0	0	0	1
483615	PL.31466	A	Consumer	7.39Y	123.2	0.00	2.75	0.38	0	3	0	99	0.00	0.0	3.118	0.000	3	0	1	1
483625	PL.7111	A	Consumer	7.40Y	123.3	0.00	2.75	0.99	0	7	1	99	0.00	0.0	3.025	0.000	7	1	1	1
483604	PL.11508	A	Consumer	7.40Y	123.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	2.834	0.000	0	0	0	0
PL.7125	PL.11508	A	4ACSR	7.40Y	123.3	0.04	2.73	16.33	8	119	18	99	0.03	0.0	2.887	0.053	0	0	0	19
PL.7126	PL.7125	A	4ACSR	7.39Y	123.2	0.05	2.79	14.47	7	106	16	99	0.04	0.0	2.973	0.086	0	0	0	18

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element-----		Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss		% Loss	Length (mi)			KW	KVAR
PL.7118	PL.7126	A	4ACSR	7.39Y	123.1	0.07	2.85	14.47	7	106	16	99	0.05	0.1	3.081	0.108	0	0	0	18
PL.7119	PL.7118	A	4ACSR	7.37Y	122.9	0.24	3.09	14.47	7	106	16	99	0.19	0.2	3.462	0.382	0	0	0	18
484603	PL.7119	A	Consumer	7.37Y	122.9	0.00	3.09	1.29	0	9	1	99	0.00	0.0	3.462	0.000	9	1	1	1
PL.45493	PL.7119	A	4ACSR	7.37Y	122.9	0.02	3.11	13.17	7	96	15	99	0.01	0.0	3.489	0.027	0	0	0	17
PD.8655-A	PL.45493	A	Closed	7.37Y	122.9	0.00	3.11	13.17	0	96	15	99	0.00	0.0	3.489	0.000	0	0	0	17
PD.8655-B	PD.8655-A	A	Closed	7.37Y	122.9	0.00	3.11	13.17	0	96	15	99	0.00	0.0	3.489	0.000	0	0	0	17
PL.45494	PD.8655-B	A	4ACSR	7.37Y	122.8	0.10	3.20	13.17	7	96	15	99	0.07	0.1	3.660	0.171	0	0	0	17
PL.3245	PL.45494	A	4ACSR	7.37Y	122.8	0.00	3.20	0.33	0	2	0	99	0.00	0.0	3.771	0.111	0	0	0	1
484608	PL.3245	A	Consumer	7.37Y	122.8	0.00	3.20	0.33	0	2	0	99	0.00	0.0	3.771	0.000	2	0	1	1
PL.11364	PL.45494	A	4ACSR	7.37Y	122.8	0.03	3.23	12.03	6	87	14	99	0.02	0.0	3.720	0.060	0	0	0	15
PL.11365	PL.11364	A	4ACSR	7.36Y	122.7	0.05	3.29	9.05	5	66	12	98	0.03	0.0	3.851	0.131	0	0	0	11
PL.11362	PL.11365	A	4ACSR	7.36Y	122.7	0.01	3.29	7.77	4	56	11	98	0.00	0.0	3.869	0.018	0	0	0	10
PL.10722	PL.11362	A	4ACSR	7.36Y	122.7	0.01	3.30	7.77	4	56	11	98	0.00	0.0	3.903	0.034	0	0	0	10
PL.11779	PL.10722	A	4ACSR	7.36Y	122.7	0.00	3.31	1.85	1	14	1	99	0.00	0.0	3.931	0.028	0	0	0	3
PL.11778	PL.11779	A	4ACSR	7.36Y	122.7	0.00	3.31	0.74	0	5	1	99	0.00	0.0	4.052	0.120	0	0	0	2
483527	PL.11778	A	Consumer	7.36Y	122.7	0.00	3.31	0.48	0	3	0	99	0.00	0.0	4.052	0.000	3	0	1	1
PL.11781	PL.11778	A	4ACSR	7.36Y	122.7	0.00	3.31	0.26	0	2	0	99	0.00	0.0	4.057	0.005	0	0	0	1
PD.450-A	PL.11781	A	Closed	7.36Y	122.7	0.00	3.31	0.26	0	2	0	99	0.00	0.0	4.057	0.000	0	0	0	1
PD.450-B	PD.450-A	A	Closed	7.36Y	122.7	0.00	3.31	0.26	0	2	0	99	0.00	0.0	4.057	0.000	0	0	0	1
PL.11782	PD.450-B	A	4ACSR	7.36Y	122.7	0.00	3.31	0.26	0	2	0	99	0.00	0.0	4.161	0.104	0	0	0	1
PL.11784	PL.11782	A	4ACSR	7.36Y	122.7	0.00	3.31	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	7.36Y	122.7	0.00	3.31	0.00	0	0	0	100	0.00	0.0	4.165	0.000	0	0	0	0
PL.10719	PL.11782	A	4ACSR	7.36Y	122.7	0.00	3.31	0.26	0	2	0	99	0.00	0.0	4.182	0.021	0	0	0	1
PL.24142	PL.10719	A	4ACSR	7.36Y	122.7	0.00	3.31	0.26	0	2	0	99	0.00	0.0	4.217	0.034	0	0	0	1
484529	PL.24142	A	Consumer	7.36Y	122.7	0.00	3.31	0.26	0	2	0	99	0.00	0.0	4.217	0.000	2	0	1	1
PL.11780	PL.11779	A	4ACSR	7.36Y	122.7	0.00	3.31	1.12	1	8	1	99	0.00	0.0	4.007	0.076	0	0	0	1
484566	PL.11780	A	Consumer	7.36Y	122.7	0.00	3.31	0.00	0	0	0	100	0.00	0.0	4.007	0.000	0	0	0	0
483526	PL.11780	A	Consumer	7.36Y	122.7	0.00	3.31	1.12	0	8	1	99	0.00	0.0	4.007	0.000	8	1	1	1
PL.10723	PL.10722	A	4ACSR	7.36Y	122.7	0.02	3.32	5.93	3	43	10	97	0.01	0.0	3.985	0.082	0	0	0	7
483524	PL.10723	A	Consumer	7.36Y	122.7	0.00	3.32	1.51	0	11	1	99	0.00	0.0	3.985	0.000	11	1	1	1
PL.11411	PL.10723	A	4ACSR	7.36Y	122.7	0.01	3.34	4.44	2	32	9	96	0.00	0.0	4.043	0.058	0	0	0	6
PL.11412	PL.11411	A	4ACSR	7.36Y	122.7	-0.00	3.34	0.00	0	0	0	99	0.00	0.0	4.096	0.053	0	0	0	1
483539	PL.11412	A	Consumer	7.36Y	122.7	0.00	3.34	0.00	0	0	0	99	0.00	0.0	4.096	0.000	0	0	1	1
483514	PL.11411	A	Consumer	7.36Y	122.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	4.043	0.000	0	0	1	1
483536	PL.11411	A	Consumer	7.36Y	122.7	0.00	3.34	0.91	0	7	1	99	0.00	0.0	4.043	0.000	7	1	1	1
483532	PL.11411	A	Consumer	7.36Y	122.7	0.00	3.34	0.69	0	5	1	99	0.00	0.0	4.043	0.000	5	1	1	1
483513	PL.11411	A	Consumer	7.36Y	122.7	0.00	3.34	2.10	0	14	7	90	0.00	0.0	4.043	0.000	14	7	1	1
483508	PL.11411	A	Consumer	7.36Y	122.7	0.00	3.34	0.80	0	6	1	99	0.00	0.0	4.043	0.000	6	1	1	1

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss
PL.2491	PL.11362	A	4ACSR	7.36Y	122.7	0.00	3.29	0.00	0	0	0	100	0.00	0.0	3.869	0.000	0	0	0	0
PL.11785	PL.11365	A	4ACSR	7.36Y	122.7	0.00	3.29	1.28	1	9	1	99	0.00	0.0	3.860	0.009	0	0	0	1
PD.1735	PL.11785	A	fuse6AMP	7.36Y	122.7	0.00	3.29	1.28	22	9	1	99	0.00	0.0	3.860	0.000	0	0	0	1
PL.11786	PD.1735	A	4ACSR	7.36Y	122.7	0.00	3.29	1.28	1	9	1	99	0.00	0.0	3.939	0.080	0	0	0	1
PL.45461	PL.11786	A	4ACSR	7.36Y	122.7	0.00	3.30	1.28	1	9	1	99	0.00	0.0	4.031	0.091	0	0	0	1
PL.45462	PL.45461	A	4ACSR	7.36Y	122.7	0.00	3.30	1.28	1	9	1	99	0.00	0.0	4.089	0.059	0	0	0	1
483617	PL.45462	A	Consumer	7.36Y	122.7	0.00	3.30	1.28	0	9	1	99	0.00	0.0	4.089	0.000	9	1	1	1
PL.45460	PL.45461	A	2ACSR	7.36Y	122.7	0.00	3.30	0.00	0	0	0	100	0.00	0.0	4.094	0.063	0	0	0	0
4836044	PL.45460	A	Consumer	7.36Y	122.7	0.00	3.30	0.00	0	0	0	100	0.00	0.0	4.094	0.000	0	0	0	0
PL.3246	PL.11786	A	4ACSR	7.36Y	122.7	0.00	3.29	0.00	0	0	0	100	0.00	0.0	4.017	0.078	0	0	0	0
483619	PL.3246	A	Consumer	7.36Y	122.7	0.00	3.29	0.00	0	0	0	100	0.00	0.0	4.017	0.000	0	0	0	0
PL.18952	PL.11364	A	4ACSR	7.37Y	122.8	0.00	3.23	2.98	2	22	2	99	0.00	0.0	3.727	0.007	0	0	0	4
PD.1736	PL.18952	A	fuse6AMP	7.37Y	122.8	0.00	3.23	2.98	51	22	2	99	0.00	0.0	3.727	0.000	0	0	0	4
PL.18953	PD.1736	A	4ACSR	7.37Y	122.8	0.00	3.24	2.98	2	22	2	99	0.00	0.0	3.764	0.037	0	0	0	4
PL.3257	PL.18953	A	4ACSR	7.37Y	122.8	0.00	3.24	0.05	0	0	0	99	0.00	0.0	3.807	0.043	0	0	0	1
484617	PL.3257	A	Consumer	7.37Y	122.8	0.00	3.24	0.05	0	0	0	99	0.00	0.0	3.807	0.000	0	0	1	1
PL.11408	PL.18953	A	4ACSR	7.37Y	122.8	0.00	3.24	2.93	2	21	2	99	0.00	0.0	3.770	0.006	0	0	0	3
PL.11409	PL.11408	A	4ACSR	7.37Y	122.8	0.01	3.25	2.93	2	21	2	99	0.00	0.0	3.814	0.044	0	0	0	3
PL.3263	PL.11409	A	4ACSR	7.37Y	122.8	0.00	3.25	0.00	0	0	0	100	0.00	0.0	3.860	0.047	0	0	0	0
484620	PL.3263	A	Consumer	7.37Y	122.8	0.00	3.25	0.00	0	0	0	100	0.00	0.0	3.860	0.000	0	0	0	0
PL.11410	PL.11409	A	4ACSR	7.36Y	122.7	0.01	3.25	2.93	2	21	2	99	0.00	0.0	3.870	0.056	0	0	0	3
PL.3244	PL.11410	A	4ACSR	7.36Y	122.7	0.00	3.25	0.03	0	0	0	99	0.00	0.0	3.962	0.092	0	0	0	1
484615	PL.3244	A	Consumer	7.36Y	122.7	0.00	3.25	0.03	0	0	0	99	0.00	0.0	3.962	0.000	0	0	1	1
484609	PL.11410	A	Consumer	7.36Y	122.7	0.00	3.25	0.77	0	6	1	99	0.00	0.0	3.870	0.000	6	1	1	1
484610	PL.11410	A	Consumer	7.36Y	122.7	0.00	3.25	2.13	0	16	2	99	0.00	0.0	3.870	0.000	16	2	1	1
484602	PL.45494	A	Consumer	7.37Y	122.8	0.00	3.20	0.82	0	6	1	99	0.00	0.0	3.660	0.000	6	1	1	1
PL.12209	PL.7119	A	4ACSR	7.37Y	122.9	0.00	3.09	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	7.37Y	122.9	0.00	3.09	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	7.37Y	122.9	0.00	3.09	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	7.37Y	122.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	3.483	0.009	0	0	0	0
PL.45491	PL.12210	A	4ACSR	7.37Y	122.9	0.00	3.09	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	7.37Y	122.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	3.983	0.000	0	0	0	0
483630	PL.7126	A	Consumer	7.39Y	123.2	0.00	2.79	0.00	0	0	0	100	0.00	0.0	2.973	0.000	0	0	0	0
483639	PL.7125	A	Consumer	7.40Y	123.3	0.00	2.73	1.87	0	14	1	99	0.00	0.0	2.887	0.000	14	1	1	1
483613	PL.11892	A	Consumer	7.42Y	123.7	0.00	2.28	0.81	0	6	1	99	0.00	0.0	2.464	0.000	6	1	1	1
PL.11887	PL.11889	A	4ACSR	7.43Y	123.9	0.00	2.09	0.17	0	1	0	99	0.00	0.0	2.306	0.010	0	0	0	2
PD.1731	PL.11887	A	fuse6AMP	7.43Y	123.9	0.00	2.09	0.17	3	1	0	99	0.00	0.0	2.306	0.000	0	0	0	2
PL.11888	PD.1731	A	4ACSR	7.43Y	123.9	0.00	2.09	0.17	0	1	0	99	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\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element-----		Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss		% Loss	Length (mi)			KW	KVAR
PL.3249	PL.11888	A	4ACSR	7.43Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	2.522	0.152	0	0	0	1
483624	PL.3249	A	Consumer	7.43Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	2.522	0.000	0	0	0	0
4836041	PL.3249	A	Consumer	7.43Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	2.522	0.000	0	0	1	1
483614	PL.11888	A	Consumer	7.43Y	123.9	0.00	2.09	0.17	0	1	0	99	0.00	0.0	2.370	0.000	1	0	1	1
PL.3250	PL.11884	A	4ACSR	7.44Y	124.1	0.00	1.94	0.73	0	5	1	99	0.00	0.0	2.216	0.044	0	0	0	1
483620	PL.3250	A	Consumer	7.44Y	124.1	0.00	1.94	0.73	0	5	1	99	0.00	0.0	2.216	0.000	5	1	1	1
PL.3251	PL.11885	A	4ACSR	7.45Y	124.1	0.00	1.89	0.53	0	4	0	99	0.00	0.0	2.184	0.055	0	0	0	2
483631	PL.3251	A	Consumer	7.45Y	124.1	0.00	1.89	0.53	0	4	0	99	0.00	0.0	2.184	0.000	4	0	1	1
483612	PL.3251	A	Consumer	7.45Y	124.1	0.00	1.89	0.00	0	0	0	100	0.00	0.0	2.184	0.000	0	0	1	1
483627	PL.11883	A	Consumer	7.45Y	124.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	2.076	0.000	0	0	1	1
PL.43086	PL.43071	A	336ACSR	7.48Y	124.6	0.05	1.41	76.98	11	572	62	99	0.64	0.0	1.796	0.102	0	0	0	91
		B		7.48Y	124.6	0.09	1.37	101.11	14	737	170	97					0	0	0	91
		C		7.49Y	124.9	0.03	1.14	79.51	11	591	74	99					0	0	0	88
PL.43087	PL.43086	A	336ACSR	7.47Y	124.6	0.02	1.44	76.98	11	572	62	99	0.33	0.0	1.849	0.053	0	0	0	90
		B		7.48Y	124.6	0.04	1.41	101.11	14	737	170	97					0	0	0	91
		C		7.49Y	124.8	0.02	1.16	79.51	11	591	74	99					0	0	0	88
PL.43082	PL.43087	A	2ACSR	7.47Y	124.6	0.00	1.44	0.89	0	7	1	99	0.00	0.0	1.854	0.004	0	0	0	1
PD.1702	PL.43082	A	fuse6AMP	7.47Y	124.6	0.00	1.44	0.89	15	7	1	99	0.00	0.0	1.854	0.000	0	0	0	1
PL.43081	PD.1702	A	2ACSR	7.47Y	124.6	0.00	1.44	0.89	0	7	1	99	0.00	0.0	1.970	0.117	0	0	0	1
482718	PL.43081	A	Consumer	7.47Y	124.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	1.970	0.000	0	0	0	0
482707	PL.43081	A	Consumer	7.47Y	124.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	1.970	0.000	0	0	0	0
482706	PL.43081	A	Consumer	7.47Y	124.6	0.00	1.44	0.89	0	7	1	99	0.00	0.0	1.970	0.000	7	1	1	1
PL.43091	PL.43087	A	336ACSR	7.47Y	124.5	0.03	1.47	76.08	10	565	61	99	0.40	0.0	1.914	0.065	0	0	0	89
		B		7.47Y	124.5	0.05	1.46	101.11	14	737	169	97					0	0	0	91
		C		7.49Y	124.8	0.02	1.18	78.77	11	586	73	99					0	0	0	87
PL.43092	PL.43091	A	336ACSR	7.47Y	124.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	2.107	0.193	0	0	0	0
		B		7.47Y	124.5	0.00	1.46	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.8	0.00	1.18	0.00	0	0	0	100					0	0	0	0
PL.43093	PL.43091	A	336ACSR	7.47Y	124.5	0.00	1.47	76.08	10	565	61	99	0.03	0.0	1.919	0.004	0	0	0	89
		B		7.47Y	124.5	0.00	1.47	101.11	14	736	169	97					0	0	0	91
		C		7.49Y	124.8	0.00	1.18	78.77	11	585	73	99					0	0	0	87
PL.43094	PL.43093	A	336ACSR	7.47Y	124.5	0.02	1.49	76.08	10	565	61	99	0.30	0.0	1.968	0.049	0	0	0	89
		B		7.47Y	124.5	0.04	1.51	101.11	14	736	169	97					0	0	0	91
		C		7.49Y	124.8	0.01	1.19	78.77	11	585	73	99					0	0	0	87
PL.43095	PL.43094	A	336ACSR	7.47Y	124.5	0.01	1.50	76.08	10	565	61	99	0.19	0.0	1.999	0.032	0	0	0	89
		B		7.47Y	124.5	0.03	1.54	101.11	14	736	168	97					0	0	0	91
		C		7.49Y	124.8	0.01	1.20	78.34	11	582	72	99					0	0	0	86
PL.18277	PL.43095	A	6ACWC	7.47Y	124.4	0.08	1.58	76.08	40	565	61	99	1.29	0.1	2.026	0.026	0	0	0	89
C		B		7.46Y	124.4	0.11	1.65	101.11	53	736	168	97					0	0	0	91
		C		7.48Y	124.7	0.07	1.27	78.34	41	582	72	99					0	0	0	86
PL.18278	PL.18277	A	6ACWC	7.46Y	124.4	0.02	1.60	76.08	40	565	61	99	0.31	0.0	2.032	0.006	0	0	0	89
C		B		7.46Y	124.3	0.03	1.67	101.11	53	736	168	97					0	0	0	91
		C		7.48Y	124.7	0.02	1.29	78.34	41	582	72	99					0	0	0	86
PL.31039	PL.18278	A	6ACWC	7.44Y	124.0	0.37	1.97	76.08	40	565	60	99	6.13	0.3	2.160	0.128	0	0	0	89
C		B		7.43Y	123.8	0.53	2.20	100.06	52	728	167	97					0	0	0	89
		C		7.46Y	124.4	0.34	1.63	77.01	40	572	71	99					0	0	0	85
4837056	PL.31039	C	Consumer	7.46Y	124.4	0.00	1.63	1.82	0	13	1	99	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\EXISTING JAN05 CWP.WM\
Title:
Case:

		Units Displayed In Volts														-----Element-----				
		-Base Voltage:120.0-																		
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)	KW	KVAR	Cons On	Cons Thru
C	PL.31040	A	6ACWC	7.43Y	123.9	0.14	2.11	76.08	40	563	60	99	2.22	0.1	2.207	0.047	0	0	0	89
		B		7.42Y	123.6	0.19	2.39	100.06	52	725	166	97					0	0	0	89
		C		7.45Y	124.2	0.12	1.75	75.19	39	557	69	99					0	0	0	84
PD.441-A	PL.31040	A	Closed	7.43Y	123.9	0.00	2.11	76.08	0	562	60	99	0.00	0.0	2.207	0.000	0	0	0	89
		B		7.42Y	123.6	0.00	2.39	100.06	0	723	165	97					0	0	0	89
		C		7.45Y	124.2	0.00	1.75	75.19	0	556	69	99					0	0	0	84
PD.441-B	PD.441-A	A	Closed	7.43Y	123.9	0.00	2.11	76.08	0	562	60	99	0.00	0.0	2.207	0.000	0	0	0	89
		B		7.42Y	123.6	0.00	2.39	100.06	0	723	165	97					0	0	0	89
		C		7.45Y	124.2	0.00	1.75	75.19	0	556	69	99					0	0	0	84
C	PL.39270	A	6ACWC	7.43Y	123.8	0.06	2.17	76.08	40	562	60	99	0.92	0.1	2.227	0.020	0	0	0	89
		B		7.41Y	123.5	0.08	2.47	100.06	52	723	165	97					0	0	0	89
		C		7.45Y	124.2	0.05	1.80	75.19	39	556	69	99					0	0	0	84
PL.39281	PL.39270	A	2ACSR	7.43Y	123.8	0.00	2.17	20.09	8	148	16	99	0.00	0.0	2.230	0.003	0	0	0	25
C	PD.6903	A	25L	7.43Y	123.8	0.00	2.17	20.09	80	148	16	99	0.00	0.0	2.230	0.000	0	0	0	25
PL.39286	PD.6903	A	2ACSR	7.43Y	123.8	0.03	2.20	20.09	8	148	16	99	0.03	0.0	2.275	0.045	0	0	0	25
PL.39279	PL.39286	A	2ACSR	7.43Y	123.8	0.00	2.20	1.16	0	9	1	99	0.00	0.0	2.316	0.040	0	0	0	2
483738	PL.39279	A	Consumer	7.43Y	123.8	0.00	2.20	0.70	0	5	1	99	0.00	0.0	2.316	0.000	5	1	1	1
PL.39280	PL.39279	A	2ACSR	7.43Y	123.8	0.00	2.20	0.45	0	3	0	99	0.00	0.0	2.359	0.043	0	0	0	1
483716	PL.39280	A	Consumer	7.43Y	123.8	0.00	2.20	0.45	0	3	0	99	0.00	0.0	2.359	0.000	3	0	1	1
PL.39278	PL.39286	A	2ACSR	7.43Y	123.8	0.01	2.21	18.93	7	140	15	99	0.01	0.0	2.290	0.015	0	0	0	23
PL.39275	PL.39278	A	2ACSR	7.43Y	123.8	0.03	2.24	18.93	7	140	15	99	0.03	0.0	2.346	0.056	0	0	0	23
PL.11915	PL.39275	A	4ACSR	7.43Y	123.8	0.00	2.24	0.68	0	5	1	99	0.00	0.0	2.374	0.028	0	0	0	2
483720	PL.11915	A	Consumer	7.43Y	123.8	0.00	2.24	0.67	0	5	1	99	0.00	0.0	2.374	0.000	5	1	1	1
483725	PL.11915	A	Consumer	7.43Y	123.8	0.00	2.24	0.00	0	0	0	90	0.00	0.0	2.374	0.000	0	0	1	1
PL.31037	PL.39275	A	4ACSR	7.42Y	123.7	0.04	2.28	18.26	9	135	14	99	0.04	0.0	2.397	0.051	0	0	0	21
4837055	PL.31037	A	Consumer	7.42Y	123.7	0.00	2.28	1.22	0	9	1	99	0.00	0.0	2.397	0.000	9	1	1	1
PL.34628	PL.31037	A	4ACSR	7.42Y	123.7	0.02	2.30	17.04	9	126	13	99	0.02	0.0	2.425	0.028	0	0	0	20
PL.34629	PL.34628	A	4ACSR	7.42Y	123.7	0.01	2.31	16.52	9	122	13	99	0.01	0.0	2.446	0.020	0	0	0	19
483751	PL.34629	A	Consumer	7.42Y	123.7	0.00	2.31	1.13	0	8	1	99	0.00	0.0	2.446	0.000	8	1	1	1
PL.43695	PL.34629	A	4ACSR	7.42Y	123.7	0.02	2.33	15.39	8	114	12	99	0.02	0.0	2.480	0.034	0	0	0	18
PL.43696	PL.43695	A	4ACSR	7.42Y	123.6	0.02	2.35	15.39	8	114	12	99	0.02	0.0	2.509	0.030	0	0	0	18
483747	PL.43696	A	Consumer	7.42Y	123.6	0.00	2.35	2.00	0	15	2	99	0.00	0.0	2.509	0.000	15	2	1	1
PL.39284	PL.43696	A	2ACSR	7.42Y	123.6	0.06	2.41	13.39	5	99	10	99	0.04	0.0	2.652	0.143	0	0	0	17
PL.39283	PL.39284	A	2ACSR	7.41Y	123.6	0.02	2.43	9.14	4	67	7	99	0.01	0.0	2.739	0.087	0	0	0	12
483722	PL.39283	A	Consumer	7.41Y	123.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	2.739	0.000	0	0	1	1
PL.7115	PL.39283	A	4ACSR	7.41Y	123.5	0.03	2.47	9.14	5	67	7	99	0.02	0.0	2.830	0.091	0	0	0	11
PL.11916	PL.7115	A	4ACSR	7.41Y	123.5	0.00	2.47	0.21	0	2	0	99	0.00	0.0	2.933	0.103	0	0	0	1
483702	PL.11916	A	Consumer	7.41Y	123.5	0.00	2.47	0.21	0	2	0	99	0.00	0.0	2.933	0.000	2	0	1	1
PL.11917	PL.7115	A	4ACSR	7.41Y	123.5	0.06	2.53	8.94	5	66	7	99	0.03	0.0	3.002	0.173	0	0	0	10
483726	PL.11917	A	Consumer	7.41Y	123.5	0.00	2.53	0.94	0	7	1	99	0.00	0.0	3.002	0.000	7	1	1	1
PL.11918	PL.11917	A	4ACSR	7.41Y	123.5	0.00	2.53	1.86	1	14	1	99	0.00	0.0	3.063	0.060	0	0	0	3
PL.11919	PL.11918	A	4ACSR	7.41Y	123.4	0.02	2.55	1.84	1	14	1	99	0.00	0.0	3.292	0.230	0	0	0	2

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts						mi From Src	-----Element-----		Cons On	Cons Thru				
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF		kW Loss	% Loss			Length (mi)	KW	KVAR	
483724	PL.11919	A	Consumer	7.41Y	123.4	0.00	2.55	1.79	0	13	1	99	0.00	0.0	3.292	0.000	13	1	1	1	
483731	PL.11919	A	Consumer	7.41Y	123.4	0.00	2.55	0.06	0	0	0	99	0.00	0.0	3.292	0.000	0	0	1	1	
PL.3261	PL.11918	A	4ACSR	7.41Y	123.5	0.00	2.53	0.01	0	0	0	90	0.00	0.0	3.121	0.058	0	0	0	1	
483743	PL.3261	A	Consumer	7.41Y	123.5	0.00	2.53	0.01	0	0	0	90	0.00	0.0	3.121	0.000	0	0	1	1	
PL.7113	PL.11917	A	4ACSR	7.41Y	123.5	0.01	2.54	5.35	3	39	4	99	0.00	0.0	3.039	0.037	0	0	0	4	
PL.7114	PL.7113	A	4ACSR	7.41Y	123.5	0.01	2.55	3.85	2	28	3	99	0.00	0.0	3.083	0.044	0	0	0	3	
PL.3239	PL.7114	A	4ACSR	7.41Y	123.5	0.00	2.55	0.73	0	5	1	99	0.00	0.0	3.171	0.088	0	0	0	2	
483748	PL.3239	A	Consumer	7.41Y	123.5	0.00	2.55	0.11	0	1	0	99	0.00	0.0	3.171	0.000	1	0	1	1	
483723	PL.3239	A	Consumer	7.41Y	123.5	0.00	2.55	0.62	0	5	0	99	0.00	0.0	3.171	0.000	5	0	1	1	
483703	PL.7114	A	Consumer	7.41Y	123.5	0.00	2.55	3.12	0	23	2	99	0.00	0.0	3.083	0.000	23	2	1	1	
483737	PL.7113	A	Consumer	7.41Y	123.5	0.00	2.54	1.50	0	11	1	99	0.00	0.0	3.039	0.000	11	1	1	1	
PL.7120	PL.11917	A	4ACSR	7.41Y	123.5	0.00	2.53	0.78	0	6	1	99	0.00	0.0	3.029	0.027	0	0	0	2	
PL.7121	PL.7120	A	4ACSR	7.41Y	123.5	0.00	2.53	0.32	0	2	0	99	0.00	0.0	3.079	0.050	0	0	0	1	
483741	PL.7121	A	Consumer	7.41Y	123.5	0.00	2.53	0.32	0	2	0	99	0.00	0.0	3.079	0.000	2	0	1	1	
483745	PL.7120	A	Consumer	7.41Y	123.5	0.00	2.53	0.47	0	3	0	99	0.00	0.0	3.029	0.000	3	0	1	1	
PL.39285	PL.39284	A	2ACSR	7.41Y	123.6	0.01	2.42	4.25	2	31	3	99	0.00	0.0	2.763	0.110	0	0	0	5	
PL.3241	PL.39285	A	4ACSR	7.41Y	123.6	0.01	2.44	3.37	2	25	3	99	0.00	0.0	2.865	0.102	0	0	0	4	
PL.3238	PL.3241	A	4ACSR	7.41Y	123.6	0.00	2.44	2.77	1	20	2	99	0.00	0.0	2.898	0.033	0	0	0	3	
PL.3237	PL.3238	A	4ACSR	7.41Y	123.6	0.01	2.45	2.77	1	20	2	99	0.00	0.0	2.971	0.074	0	0	0	3	
483728	PL.3237	A	Consumer	7.41Y	123.6	0.00	2.45	0.68	0	5	1	99	0.00	0.0	2.971	0.000	5	1	1	1	
483754	PL.3237	A	Consumer	7.41Y	123.6	0.00	2.45	0.00	0	0	0	99	0.00	0.0	2.971	0.000	0	0	1	1	
483744	PL.3237	A	Consumer	7.41Y	123.6	0.00	2.45	2.08	0	15	2	99	0.00	0.0	2.971	0.000	15	2	1	1	
PL.3260	PL.3241	A	4ACSR	7.41Y	123.6	0.00	2.44	0.60	0	4	0	99	0.00	0.0	2.934	0.069	0	0	0	1	
483742	PL.3260	A	Consumer	7.41Y	123.6	0.00	2.44	0.60	0	4	0	99	0.00	0.0	2.934	0.000	4	0	1	1	
483721	PL.39285	A	Consumer	7.41Y	123.6	0.00	2.42	0.88	0	7	1	99	0.00	0.0	2.763	0.000	7	1	1	1	
4837059	PL.43695	A	Consumer	7.42Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	2.480	0.000	0	0	0	0	
4837057	PL.34628	A	Consumer	7.42Y	123.7	0.00	2.30	0.52	0	4	0	99	0.00	0.0	2.425	0.000	4	0	1	1	
PL.39271	PL.39270	A	6ACWC	7.43Y	123.8	0.04	2.21	55.99	29	414	44	99	0.78	0.0	2.245	0.019	0	0	0	64	
C		B		7.41Y	123.4	0.08	2.55	100.06	52	723	165	97					0	0	0	89	C
		C		7.45Y	124.2	0.05	1.85	75.19	39	556	69	99					0	0	0	84	
PL.11920	PL.39271	A	6ACWC	7.42Y	123.6	0.15	2.36	55.99	29	414	44	99	2.99	0.2	2.318	0.073	0	0	0	64	
C		B		7.39Y	123.1	0.31	2.87	100.06	52	723	165	97					0	0	0	89	C
		C		7.44Y	124.0	0.17	2.02	73.47	38	543	67	99					0	0	0	83	
483719	PL.11920	A	Consumer	7.42Y	123.6	0.00	2.36	1.03	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	2.02	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	2.02	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	2.02	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	2.02	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	2.02	0.00	0	0	0	100	0.00	0.0	2.441	0.000	0	0	0	0	

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

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Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts					mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru			
							Accum Drop	Thru Amps	% Cap	Thru KW	% PF			kW Loss	% Loss			KW	KVAR	
C PL.11921	PL.11920	A	6ACWC	7.41Y	123.5	0.15	2.51	54.96	29	405	43	99	2.92	0.2	2.389	0.071	0	0	0	63
		B		7.37Y	122.8	0.31	3.18	100.06	52	721	164	98					0	0	0	89
		C		7.43Y	123.8	0.17	2.19	73.47	38	542	67	99					0	0	0	83
PL.11927	PL.11921	C	4ACSR	7.43Y	123.8	0.00	2.19	2.90	1	21	2	99	0.00	0.0	2.403	0.014	0	0	0	3
PD.1729	PL.11927	C	fuse6AMP	7.43Y	123.8	0.00	2.19	2.90	49	21	2	99	0.00	0.0	2.403	0.000	0	0	0	3
PL.11928	PD.1729	C	4ACSR	7.43Y	123.8	0.01	2.20	2.90	1	21	2	99	0.00	0.0	2.470	0.067	0	0	0	3
PL.2664	PL.11928	C	4ACSR	7.43Y	123.8	0.00	2.20	2.90	1	21	2	99	0.00	0.0	2.475	0.005	0	0	0	3
PL.7072	PL.2664	C	4ACSR	7.43Y	123.8	0.01	2.21	2.90	1	21	2	99	0.00	0.0	2.541	0.066	0	0	0	3
482732	PL.7072	C	Consumer	7.43Y	123.8	0.00	2.21	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	123.8	0.00	2.21	1.73	1	13	1	99	0.00	0.0	2.601	0.059	0	0	0	2
482723	PL.7073	C	Consumer	7.43Y	123.8	0.00	2.21	1.30	0	10	1	99	0.00	0.0	2.601	0.000	10	1	1	1
482725	PL.7073	C	Consumer	7.43Y	123.8	0.00	2.21	0.43	0	3	0	99	0.00	0.0	2.601	0.000	3	0	1	1
C PL.19742	PL.11921	A	6ACWC	7.41Y	123.5	0.04	2.54	54.96	29	405	43	99	0.67	0.0	2.406	0.017	0	0	0	63
		B		7.36Y	122.7	0.07	3.25	98.78	51	710	162	97					0	0	0	88
		C		7.43Y	123.8	0.04	2.23	70.57	37	520	64	99					0	0	0	80
483704	PL.19742	B	Consumer	7.36Y	122.7	0.00	3.25	0.48	0	4	0	99	0.00	0.0	2.406	0.000	4	0	1	1
C PL.19743	PL.19742	A	6ACWC	7.40Y	123.4	0.08	2.62	54.96	29	405	43	99	1.50	0.1	2.444	0.038	0	0	0	63
		B		7.36Y	122.6	0.16	3.41	98.30	51	706	162	97					0	0	0	87
		C		7.42Y	123.7	0.09	2.31	70.57	37	520	64	99					0	0	0	80
C PL.11922	PL.19743	A	6ACWC	7.40Y	123.4	0.02	2.64	53.69	28	395	42	99	0.30	0.0	2.452	0.008	0	0	0	62
		B		7.35Y	122.6	0.03	3.45	98.30	51	705	161	97					0	0	0	87
		C		7.42Y	123.7	0.02	2.33	70.57	37	520	64	99					0	0	0	80
C PL.11923	PL.11922	A	6ACWC	7.39Y	123.2	0.13	2.77	51.70	27	380	41	99	2.55	0.2	2.518	0.066	0	0	0	60
		B		7.34Y	122.3	0.28	3.73	98.30	51	705	161	97					0	0	0	87
		C		7.41Y	123.5	0.15	2.48	70.57	37	520	64	99					0	0	0	80
C PL.14622	PL.11923	A	6ACWC	7.39Y	123.2	0.00	2.77	51.70	27	380	41	99	0.06	0.0	2.520	0.002	0	0	0	60
		B		7.34Y	122.3	0.01	3.74	97.45	51	697	160	97					0	0	0	86
		C		7.41Y	123.5	0.00	2.48	70.57	37	519	63	99					0	0	0	80
PL.41298	PL.14622	C	4ACSR	7.41Y	123.5	0.04	2.52	9.78	5	72	7	99	0.02	0.0	2.622	0.103	0	0	0	6
PL.41299	PL.41298	C	4ACSR	7.41Y	123.5	0.01	2.53	8.10	4	60	6	99	0.00	0.0	2.638	0.015	0	0	0	5
PL.7070	PL.41299	C	4ACSR	7.41Y	123.4	0.03	2.56	8.10	4	60	6	99	0.02	0.0	2.735	0.097	0	0	0	5
482728	PL.7070	C	Consumer	7.41Y	123.4	0.00	2.56	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	123.4	0.02	2.58	6.84	4	50	5	99	0.01	0.0	2.801	0.066	0	0	0	4
PL.39621	PL.7071	C	2ACSR	7.40Y	123.4	0.00	2.59	1.60	1	12	1	99	0.00	0.0	2.895	0.094	0	0	0	1
4827036	PL.39621	C	Consumer	7.40Y	123.4	0.00	2.59	1.60	0	12	1	99	0.00	0.0	2.895	0.000	12	1	1	1
482731	PL.7071	C	Consumer	7.41Y	123.4	0.00	2.58	1.94	0	14	1	99	0.00	0.0	2.801	0.000	14	1	1	1
4827035	PL.7071	C	Consumer	7.41Y	123.4	0.00	2.58	1.89	0	14	1	99	0.00	0.0	2.801	0.000	14	1	1	1
482726	PL.7071	C	Consumer	7.41Y	123.4	0.00	2.58	1.41	0	10	1	99	0.00	0.0	2.801	0.000	10	1	1	1
4837058	PL.41298	C	Consumer	7.41Y	123.5	0.00	2.52	1.68	0	12	1	99	0.00	0.0	2.622	0.000	12	1	1	1
C PL.14623	PL.14622	A	6ACWC	7.38Y	123.1	0.15	2.93	51.70	27	380	41	99	2.66	0.2	2.595	0.075	0	0	0	60
		B		7.32Y	121.9	0.31	4.05	97.45	51	697	160	97					0	0	0	86
		C		7.40Y	123.4	0.14	2.62	60.80	32	447	56	99					0	0	0	74
483707	PL.14623	C	Consumer	7.40Y	123.4	0.00	2.62	1.93	0	14	1	99	0.00	0.0	2.595	0.000	14	1	1	1
483713	PL.14623	B	Consumer	7.32Y	121.9	0.00	4.05	0.35	0	3	0	99	0.00	0.0	2.595	0.000	3	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: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 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.11924, PL.11925, PL.3267, etc.

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 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.2816, PL.14621, PL.15789, 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\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	% PF	kW Loss	% Loss							
PD.1744	PL.14613	A	fuse6AMP	7.17Y	119.4	0.00	6.58	1.05	18	7	1	99	0.00	0.0	4.436	0.000	0	0	0	3
PL.14614	PD.1744	A	4ACSR	7.17Y	119.4	0.00	6.58	1.05	1	7	1	99	0.00	0.0	4.466	0.031	0	0	0	3
483820	PL.14614	A	Consumer	7.17Y	119.4	0.00	6.58	0.71	0	5	1	99	0.00	0.0	4.466	0.000	5	1	1	1
PL.2826	PL.14614	A	4ACSR	7.17Y	119.4	0.00	6.58	0.33	0	2	0	99	0.00	0.0	4.510	0.044	0	0	0	2
483816	PL.2826	A	Consumer	7.17Y	119.4	0.00	6.58	0.33	0	2	0	99	0.00	0.0	4.510	0.000	2	0	1	1
PL.2813	PL.2826	A	4ACSR	7.17Y	119.4	-0.00	6.58	0.00	0	0	0	99	0.00	0.0	4.548	0.038	0	0	0	1
PL.2814	PL.2813	A	4ACSR	7.17Y	119.4	-0.00	6.58	0.00	0	0	0	99	0.00	0.0	4.581	0.033	0	0	0	1
483827	PL.2814	A	Consumer	7.17Y	119.4	0.00	6.58	0.00	0	0	0	99	0.00	0.0	4.581	0.000	0	0	1	1
L PL.14610	PL.14609	A	6ACWC	7.15Y	119.1	0.32	6.89	43.86	23	312	34	99	3.87	0.3	4.592	0.161	0	0	0	45
		B		6.84Y	114.0	0.58	11.97	87.22	45	585	134	97					0	0	0	74
		C		7.22Y	120.3	0.12	5.75	34.43	18	247	29	99					0	0	0	41
PL.14604	PL.14610	A	4ACSR	7.15Y	119.1	0.00	6.89	0.56	0	4	0	99	0.00	0.0	4.602	0.009	0	0	0	1
PD.1746	PL.14604	A	fuse6AMP	7.15Y	119.1	0.00	6.89	0.56	10	4	0	99	0.00	0.0	4.602	0.000	0	0	0	1
PL.14605	PD.1746	A	4ACSR	7.15Y	119.1	0.00	6.89	0.56	0	4	0	99	0.00	0.0	4.708	0.107	0	0	0	1
484804	PL.14605	A	Consumer	7.15Y	119.1	0.00	6.89	0.56	0	4	0	99	0.00	0.0	4.708	0.000	4	0	1	1
L PL.14602	PL.14610	B	4ACSR	6.84Y	114.0	0.00	11.97	0.00	0	0	0	100	0.00	0.0	4.600	0.007	0	0	0	0
L PD.1745	PL.14602	B	fuse6AMP	6.84Y	114.0	0.00	11.97	0.00	0	0	0	100	0.00	0.0	4.600	0.000	0	0	0	0
L PL.14603	PD.1745	B	4ACSR	6.84Y	114.0	0.00	11.97	0.00	0	0	0	100	0.00	0.0	4.770	0.170	0	0	0	0
L 484813	PL.14610	B	Consumer	6.84Y	114.0	0.00	11.97	0.00	0	0	0	100	0.00	0.0	4.592	0.000	0	0	0	0
L PL.14436	PL.14610	A	6ACWC	7.13Y	118.8	0.34	7.23	43.30	23	308	33	99	4.20	0.4	4.768	0.175	0	0	0	44
		B		6.80Y	113.4	0.64	12.61	87.22	45	582	133	98					0	0	0	74
		C		7.21Y	120.1	0.13	5.88	34.43	18	247	29	99					0	0	0	41
L PL.15793	PL.14436	B	4ACSR	6.80Y	113.4	0.00	12.61	0.00	0	0	0	100	0.00	0.0	4.780	0.013	0	0	0	2
L PD.1747	PL.15793	B	fuse6AMP	6.80Y	113.4	0.00	12.61	0.00	0	0	0	100	0.00	0.0	4.780	0.000	0	0	0	2
L PL.15794	PD.1747	B	4ACSR	6.80Y	113.4	0.00	12.61	0.00	0	0	0	100	0.00	0.0	4.955	0.174	0	0	0	2
L PL.2825	PL.15794	B	4ACSR	6.80Y	113.4	0.00	12.61	0.00	0	0	0	100	0.00	0.0	5.344	0.389	0	0	0	2
L PL.2824	PL.2825	B	4ACSR	6.80Y	113.4	0.00	12.61	0.00	0	0	0	100	0.00	0.0	5.494	0.150	0	0	0	1
L PL.2821	PL.2824	B	4ACSR	6.80Y	113.4	0.00	12.61	0.00	0	0	0	100	0.00	0.0	5.626	0.132	0	0	0	1
L 484809	PL.2821	B	Consumer	6.80Y	113.4	0.00	12.61	0.00	0	0	0	100	0.00	0.0	5.626	0.000	0	0	1	1
L 484808	PL.2825	B	Consumer	6.80Y	113.4	0.00	12.61	0.00	0	0	0	100	0.00	0.0	5.344	0.000	0	0	1	1
L PL.14601	PL.14436	A	6ACWC	7.10Y	118.3	0.48	7.71	43.30	23	307	33	99	5.87	0.5	5.013	0.245	0	0	0	44
		B		6.75Y	112.5	0.89	13.50	87.22	45	579	131	98					0	0	0	72
		C		7.20Y	119.9	0.19	6.07	34.43	18	246	29	99					0	0	0	41
PL.19064	PL.14601	C	4ACSR	7.20Y	119.9	0.00	6.07	0.72	0	5	1	99	0.00	0.0	5.037	0.024	0	0	0	1
PD.1596	PL.19064	C	fuse6AMP	7.20Y	119.9	0.00	6.07	0.72	12	5	1	99	0.00	0.0	5.037	0.000	0	0	0	1
PL.19065	PD.1596	C	4ACSR	7.20Y	119.9	0.00	6.07	0.72	0	5	1	99	0.00	0.0	5.094	0.057	0	0	0	1
484807	PL.19065	C	Consumer	7.20Y	119.9	0.00	6.07	0.72	0	5	1	99	0.00	0.0	5.094	0.000	5	1	1	1
PL.15795	PL.14601	C	4ACSR	7.20Y	119.9	0.00	6.07	4.96	3	35	4	99	0.00	0.0	5.030	0.017	0	0	0	3
C PD.1748	PL.15795	C	fuse6AMP	7.20Y	119.9	0.00	6.07	4.96	85	35	4	99	0.00	0.0	5.030	0.000	0	0	0	3
PL.15591	PD.1748	C	4ACSR	7.19Y	119.9	0.02	6.09	4.96	3	35	4	99	0.01	0.0	5.120	0.090	0	0	0	3
484907	PL.15591	C	Consumer	7.19Y	119.9	0.00	6.09	0.89	0	6	1	99	0.00	0.0	5.120	0.000	6	1	1	1

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 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.2822, PL.12080, 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
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Title:
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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.12078, PL.179, PL.7129, etc.

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	Length (mi)	Element		Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss			% Loss	KW			KVAR	
L PL.20644	PL.20643	A	336ACSR	7.01Y	116.8	0.04	9.19	37.21	5	259	27	99	0.20	0.0	6.274	0.133	0	0	0	36	L
L		B		6.59Y	109.9	0.06	16.09	56.76	8	361	100	96					0	0	0	44	L
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	22	99					0	0	0	33	
L 484921	PL.20644	B	Consumer	6.59Y	109.9	0.00	16.09	0.00	0	0	0	100	0.00	0.0	6.274	0.000	0	0	1	1	L
L PL.42784	PL.20644	A	336ACSR	7.01Y	116.8	0.05	9.24	37.21	5	259	27	99	0.25	0.0	6.443	0.168	0	0	0	36	L
L		B		6.59Y	109.8	0.08	16.17	55.32	8	351	99	96					0	0	0	40	L
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	22	99					0	0	0	33	
L PL.42787	PL.42784	B	2ACSR	6.59Y	109.8	0.00	16.17	0.65	0	4	0	99	0.00	0.0	6.446	0.003	0	0	0	1	L
L PD.8507	PL.42787	B	fuse6AMP	6.59Y	109.8	0.00	16.17	0.65	11	4	0	99	0.00	0.0	6.446	0.000	0	0	0	1	L
L PL.42788	PD.8507	B	2ACSR	6.59Y	109.8	0.00	16.17	0.65	0	4	0	99	0.00	0.0	6.472	0.026	0	0	0	1	L
L 484931	PL.42788	B	Consumer	6.59Y	109.8	0.00	16.17	0.65	0	4	0	99	0.00	0.0	6.472	0.000	4	0	1	1	L
L PL.42789	PL.42784	B	2ACSR	6.59Y	109.8	0.00	16.17	0.01	0	0	0	99	0.00	0.0	6.447	0.004	0	0	0	1	L
L PD.8506	PL.42789	B	fuse6AMP	6.59Y	109.8	0.00	16.17	0.01	0	0	0	99	0.00	0.0	6.447	0.000	0	0	0	1	L
L PL.42790	PD.8506	B	2ACSR	6.59Y	109.8	0.00	16.17	0.01	0	0	0	99	0.00	0.0	6.497	0.050	0	0	0	1	L
L 484937	PL.42790	B	Consumer	6.59Y	109.8	0.00	16.17	0.01	0	0	0	99	0.00	0.0	6.497	0.000	0	0	1	1	L
L 484916	PL.42790	B	Consumer	6.59Y	109.8	0.00	16.17	0.00	0	0	0	100	0.00	0.0	6.497	0.000	0	0	0	0	L
L PL.42791	PL.42784	A	336ACSR	7.00Y	116.7	0.04	9.28	37.21	5	259	27	99	0.20	0.0	6.581	0.138	0	0	0	36	L
L		B		6.59Y	109.8	0.06	16.24	54.67	7	347	98	96					0	0	0	38	L
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	22	99					0	0	0	33	
L PL.42793	PL.42791	A	336ACSR	7.00Y	116.7	0.01	9.28	37.21	5	259	27	99	0.03	0.0	6.598	0.018	0	0	0	36	L
L		B		6.59Y	109.8	0.01	16.24	54.67	7	347	98	96					0	0	0	38	L
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PL.42808	PL.42793	B	2ACSR	6.59Y	109.8	0.00	16.25	1.72	1	11	1	99	0.00	0.0	6.619	0.021	0	0	0	2	L
L 484920	PL.42808	B	Consumer	6.59Y	109.8	0.00	16.25	1.72	0	11	1	99	0.00	0.0	6.619	0.000	11	1	1	1	L
L 4849073	PL.42808	B	Consumer	6.59Y	109.8	0.00	16.25	0.00	0	0	0	100	0.00	0.0	6.619	0.000	0	0	1	1	L
L PL.42799	PL.42793	A	336ACSR	7.00Y	116.7	0.01	9.29	37.21	5	259	27	99	0.06	0.0	6.641	0.043	0	0	0	36	L
L		B		6.58Y	109.7	0.02	16.26	52.98	7	335	97	96					0	0	0	36	L
		C		7.17Y	119.5	0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PL.42800	PL.42799	A	336ACSR	7.00Y	116.7	0.01	9.31	37.21	5	259	27	99	0.06	0.0	6.688	0.047	0	0	0	36	L
L		B		6.58Y	109.7	0.02	16.28	52.98	7	335	97	96					0	0	0	35	L
		C		7.17Y	119.5	0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PL.42797	PL.42800	A	336ACSR	7.00Y	116.7	0.03	9.34	37.21	5	259	27	99	0.14	0.0	6.789	0.101	0	0	0	36	L
L		B		6.58Y	109.7	0.04	16.33	52.98	7	335	96	96					0	0	0	35	L
		C		7.17Y	119.5	0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PL.42801	PL.42797	A	2ACSR	7.00Y	116.7	0.00	9.34	0.87	0	6	1	99	0.00	0.0	6.793	0.003	0	0	0	2	L
L PD.8508	PL.42801	A	fuse6AMP	7.00Y	116.7	0.00	9.34	0.87	15	6	1	99	0.00	0.0	6.793	0.000	0	0	0	2	L
L PL.42802	PD.8508	A	2ACSR	7.00Y	116.7	0.00	9.34	0.87	0	6	1	99	0.00	0.0	6.879	0.087	0	0	0	2	L
L 484929	PL.42802	A	Consumer	7.00Y	116.7	0.00	9.34	0.01	0	0	0	99	0.00	0.0	6.879	0.000	0	0	1	1	L
L 484901	PL.42802	A	Consumer	7.00Y	116.7	0.00	9.34	0.86	0	6	1	99	0.00	0.0	6.879	0.000	6	1	1	1	L
L PL.42811	PL.42797	A	336ACSR	7.00Y	116.7	0.01	9.35	36.34	5	253	26	99	0.05	0.0	6.823	0.034	0	0	0	34	L
L		B		6.58Y	109.7	0.02	16.34	52.98	7	335	96	96					0	0	0	35	L
		C		7.17Y	119.5	0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PD.8141-A	PL.42811	A	Closed	7.00Y	116.7	0.00	9.35	36.34	0	253	26	99	0.00	0.0	6.823	0.000	0	0	0	34	L
L		B		6.58Y	109.7	0.00	16.34	52.98	0	335	96	96					0	0	0	35	L
		C		7.17Y	119.5	0.00	6.49	25.93	0	185	21	99					0	0	0	33	
L PD.8141-B	PD.8141-A	A	Closed	7.00Y	116.7	0.00	9.35	36.34	0	253	26	99	0.00	0.0	6.823	0.000	0	0	0	34	L
L		B		6.58Y	109.7	0.00	16.34	52.98	0	335	96	96					0	0	0	35	L
		C		7.17Y	119.5	0.00	6.49	25.93	0	185	21	99					0	0	0	33	

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							% PF	kW Loss	% Loss	mi From Src	Length (mi)	Element		Cons On	Cons Thru
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	KW	KVAR						On	Thru		
L PL.42812	PD.8141-B	A	336ACSR	7.00Y	116.6	0.00	9.35	36.34	5	253	26	99	0.02	0.0	6.837	0.013	0	0	0	34	L	
L		B		6.58Y	109.6	0.01	16.35	52.98	7	335	96	96					0	0	0	35	L	
		C		7.17Y	119.5	0.00	6.49	25.93	4	185	21	99					0	0	0	33		
L PL.42813	PL.42812	A	2ACSR	7.00Y	116.6	0.00	9.35	4.74	2	33	3	99	0.00	0.0	6.840	0.003	0	0	0	8	L	
L PD.8142	PL.42813	A	fuse6AMP	7.00Y	116.6	0.00	9.35	4.74	81	33	3	99	0.00	0.0	6.840	0.000	0	0	0	8	L	
L PL.42814	PD.8142	A	2ACSR	7.00Y	116.6	0.01	9.36	4.74	2	33	3	99	0.00	0.0	6.889	0.049	0	0	0	8	L	
L PL.20051	PL.42814	A	4ACSR	7.00Y	116.6	0.01	9.37	3.76	2	26	3	99	0.00	0.0	6.941	0.052	0	0	0	6	L	
L PL.20050	PL.20051	A	4ACSR	7.00Y	116.6	0.01	9.37	3.39	2	24	2	99	0.00	0.0	6.979	0.038	0	0	0	5	L	
L 484950	PL.20050	A	Consumer	7.00Y	116.6	0.00	9.37	1.61	0	11	1	99	0.00	0.0	6.979	0.000	11	1	1	1	L	
L 484913	PL.20050	A	Consumer	7.00Y	116.6	0.00	9.37	0.61	0	4	0	99	0.00	0.0	6.979	0.000	4	0	1	1	L	
L 484941	PL.20050	A	Consumer	7.00Y	116.6	0.00	9.37	0.00	0	0	0	100	0.00	0.0	6.979	0.000	0	0	0	0	L	
L 484923	PL.20050	A	Consumer	7.00Y	116.6	0.00	9.37	0.43	0	3	0	99	0.00	0.0	6.979	0.000	3	0	1	1	L	
L PL.39605	PL.20050	A	4ACSR	7.00Y	116.6	0.00	9.37	0.73	0	5	1	99	0.00	0.0	7.004	0.025	0	0	0	2	L	
L PL.39604	PL.39605	A	4ACSR	7.00Y	116.6	0.00	9.37	0.73	0	5	1	99	0.00	0.0	7.015	0.011	0	0	0	2	L	
L 484914	PL.39604	A	Consumer	7.00Y	116.6	0.00	9.37	0.31	0	2	0	99	0.00	0.0	7.015	0.000	2	0	1	1	L	
L 484911	PL.39604	A	Consumer	7.00Y	116.6	0.00	9.37	0.42	0	3	0	99	0.00	0.0	7.015	0.000	3	0	1	1	L	
L 484932	PL.20051	A	Consumer	7.00Y	116.6	0.00	9.37	0.37	0	3	0	99	0.00	0.0	6.941	0.000	3	0	1	1	L	
L 484912	PL.42814	A	Consumer	7.00Y	116.6	0.00	9.36	0.66	0	5	0	99	0.00	0.0	6.889	0.000	5	0	1	1	L	
L 484917	PL.42814	A	Consumer	7.00Y	116.6	0.00	9.36	0.32	0	2	0	99	0.00	0.0	6.889	0.000	2	0	1	1	L	
L PL.45444	PL.42812	A	336ACSR	7.00Y	116.6	0.01	9.36	31.60	4	220	23	99	0.06	0.0	6.884	0.047	0	0	0	26	L	
L		B		6.58Y	109.6	0.02	16.37	52.98	7	335	96	96					0	0	0	35	L	
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	21	99					0	0	0	33		
L PL.45445	PL.45444	A	336ACSR	7.00Y	116.6	0.01	9.37	30.92	4	215	22	99	0.05	0.0	6.923	0.039	0	0	0	25	L	
L		B		6.58Y	109.6	0.02	16.39	52.98	7	335	96	96					0	0	0	35	L	
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	21	99					0	0	0	33		
L PL.42817	PL.45445	B	2ACSR	6.58Y	109.6	0.00	16.39	0.66	0	4	0	99	0.00	0.0	6.927	0.005	0	0	0	1	L	
L PD.8509	PL.42817	B	fuse6AMP	6.58Y	109.6	0.00	16.39	0.66	11	4	0	99	0.00	0.0	6.927	0.000	0	0	0	1	L	
L PL.42816	PD.8509	B	2ACSR	6.58Y	109.6	0.00	16.39	0.66	0	4	0	99	0.00	0.0	6.977	0.049	0	0	0	1	L	
L 484905	PL.42816	B	Consumer	6.58Y	109.6	0.00	16.39	0.66	0	4	0	99	0.00	0.0	6.977	0.000	4	0	1	1	L	
L 484952	PL.45445	B	Consumer	6.58Y	109.6	0.00	16.39	0.55	0	4	0	99	0.00	0.0	6.923	0.000	4	0	1	1	L	
L PL.42818	PL.45445	A	336ACSR	7.00Y	116.6	0.02	9.39	30.92	4	215	22	99	0.12	0.0	7.016	0.094	0	0	0	25	L	
L		B		6.57Y	109.6	0.04	16.44	51.80	7	327	95	96					0	0	0	33	L	
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	21	99					0	0	0	33		
L PL.42823	PL.42818	A	4ACSR	7.00Y	116.6	0.00	9.39	0.00	0	0	0	100	0.00	0.0	7.020	0.003	0	0	0	0	L	
L PD.8143	PL.42823	A	fuse6AMP	7.00Y	116.6	0.00	9.39	0.00	0	0	0	100	0.00	0.0	7.020	0.000	0	0	0	0	L	
L PL.43245	PL.42818	A	336ACSR	7.00Y	116.6	0.01	9.40	30.92	4	215	22	99	0.05	0.0	7.061	0.045	0	0	0	25	L	
L		B		6.57Y	109.5	0.02	16.46	49.87	7	314	94	96					0	0	0	29	L	
		C		7.17Y	119.5	0.00	6.49	25.93	4	185	21	99					0	0	0	33		
L PL.43246	PL.43245	A	336ACSR	6.99Y	116.6	0.02	9.42	30.92	4	215	22	99	0.11	0.0	7.153	0.092	0	0	0	25	L	
L		B		6.57Y	109.5	0.04	16.50	49.88	7	314	94	96					0	0	0	29	L	
		C		7.17Y	119.5	-0.00	6.49	24.74	3	176	21	99					0	0	0	32		
L PL.42831	PL.43246	B	1/0EPRJCN	6.57Y	109.5	0.00	16.50	1.00	1	7	0	100	0.00	0.0	7.159	0.006	0	0	0	1	L	
L PD.5176	PL.42831	B	fuse6AMP	6.57Y	109.5	0.00	16.50	1.00	17	7	1	100	0.00	0.0	7.159	0.000	0	0	0	1	L	
L PL.42832	PD.5176	B	1/0EPRJCN	6.57Y	109.5	0.00	16.50	1.00	1	7	1	100	0.00	0.0	7.205	0.047	0	0	0	1	L	

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	Length (mi)	-----Element-----					
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss			% Loss	KW	KVAR	Cons On	Cons Thru	
L 4342116	PL.42832	B	Consumer	6.57Y	109.5	0.00	16.50	0.00	0	0	0	100	0.00	0.0	7.205	0.000	0	0	0	0	L
L 4342106	PL.42832	B	Consumer	6.57Y	109.5	0.00	16.50	1.00	0	7	1	99	0.00	0.0	7.205	0.000	7	1	1	1	L
L PL.42843	PL.43246	B	4ACSR	6.57Y	109.5	0.00	16.50	3.26	2	21	2	99	0.00	0.0	7.158	0.005	0	0	0	2	L
L PD.8145	PL.42843	B	fuse6AMP	6.57Y	109.5	0.00	16.50	3.26	56	21	2	99	0.00	0.0	7.158	0.000	0	0	0	2	L
L PL.42844	PD.8145	B	4ACSR	6.57Y	109.5	0.00	16.50	3.26	2	21	2	99	0.00	0.0	7.184	0.026	0	0	0	2	L
L PL.6505	PL.42844	B	4ACSR	6.57Y	109.5	0.00	16.51	1.13	1	7	1	99	0.00	0.0	7.252	0.068	0	0	0	1	L
L 434283	PL.6505	B	Consumer	6.57Y	109.5	0.00	16.51	1.13	0	7	1	99	0.00	0.0	7.252	0.000	7	1	1	1	L
L 434297	PL.42844	B	Consumer	6.57Y	109.5	0.00	16.50	2.13	0	14	1	99	0.00	0.0	7.184	0.000	14	1	1	1	L
L PL.42834	PL.43246	A	336ACSR	6.99Y	116.6	0.01	9.43	30.92	4	215	22	99	0.03	0.0	7.180	0.027	0	0	0	25	L
L		B		6.57Y	109.5	0.01	16.51	45.70	6	286	91	95					0	0	0	26	L
		C		7.17Y	119.5	0.00	6.49	24.74	3	176	21	99					0	0	0	32	
L PL.42846	PL.42834	A	336ACSR	6.99Y	116.6	0.00	9.43	10.95	1	76	8	99	0.09	0.0	7.293	0.113	0	0	0	7	L
L		B		6.57Y	109.4	0.06	16.57	41.06	6	255	87	95					0	0	0	23	L
		C		7.17Y	119.5	-0.00	6.49	24.74	3	176	21	99					0	0	0	32	
L PL.42850	PL.42846	A	336ACSR	6.99Y	116.6	-0.00	9.43	0.00	0	0	0	100	0.02	0.0	7.313	0.020	0	0	0	0	L
L		B		6.57Y	109.4	0.01	16.58	41.06	6	255	87	95					0	0	0	23	L
		C		7.17Y	119.5	-0.00	6.49	24.74	3	176	21	99					0	0	0	32	
L PL.42852	PL.42850	A	336ACSR	6.99Y	116.6	-0.00	9.43	0.00	0	0	0	100	0.03	0.0	7.346	0.033	0	0	0	0	L
L		B		6.56Y	109.4	0.02	16.60	39.84	5	247	86	94					0	0	0	22	L
		C		7.17Y	119.5	-0.00	6.48	24.74	3	176	21	99					0	0	0	32	
L PL.42854	PL.42852	A	336ACSR	6.99Y	116.6	-0.01	9.42	0.00	0	0	0	100	0.06	0.0	7.425	0.080	0	0	0	0	L
L		B		6.56Y	109.4	0.05	16.65	39.52	5	245	86	94					0	0	0	21	L
		C		7.17Y	119.5	-0.00	6.48	24.74	3	176	20	99					0	0	0	32	
L 434264	PL.42854	A	Consumer	6.99Y	116.6	0.00	9.42	0.00	0	0	0	100	0.00	0.0	7.425	0.000	0	0	0	0	L
L 434263	PL.42854	B	Consumer	6.56Y	109.4	0.00	16.65	2.10	0	14	1	99	0.00	0.0	7.425	0.000	14	1	1	1	L
L PL.42855	PL.42854	B	4ACSR	6.56Y	109.3	0.01	16.66	37.48	19	231	85	94	0.02	0.0	7.431	0.006	0	0	0	20	L
L PD.8148	PL.42855	B	25L	6.56Y	109.3	0.00	16.66	37.48	150	231	85	94	0.00	0.0	7.431	0.000	0	0	0	20	L
L PL.42856	PD.8148	B	4ACSR	6.56Y	109.3	0.04	16.70	37.48	19	231	85	94	0.08	0.0	7.456	0.025	0	0	0	20	L
L PL.31883	PL.42856	B	4ACSR	6.56Y	109.3	0.01	16.71	37.48	19	231	85	94	0.02	0.0	7.461	0.005	0	0	0	20	L
L PL.6418	PL.31883	B	4ACSR	6.55Y	109.2	0.13	16.84	35.55	18	218	83	93	0.24	0.1	7.541	0.080	0	0	0	19	L
L PL.39856	PL.6418	B	4ACSR	6.55Y	109.2	0.00	16.84	0.00	0	0	0	100	0.00	0.0	7.545	0.004	0	0	0	0	L
L PD.7129	PL.39856	B	fuse6AMP	6.55Y	109.2	0.00	16.84	0.00	0	0	0	100	0.00	0.0	7.545	0.000	0	0	0	0	L
L PL.11601	PL.6418	B	4ACSR	6.53Y	108.9	0.27	17.11	34.62	18	211	82	93	0.48	0.2	7.710	0.169	0	0	0	18	L
L PL.39857	PL.11601	B	4ACSR	6.53Y	108.9	0.01	17.11	20.35	10	120	57	90	0.01	0.0	7.716	0.006	0	0	0	6	L
L PD.7130	PL.39857	B	fuse6AMP	6.53Y	108.9	0.00	17.11	20.35	348	120	57	90	0.00	0.0	7.716	0.000	0	0	0	6	L
L PL.39858	PD.7130	B	4ACSR	6.53Y	108.8	0.07	17.18	20.35	10	120	57	90	0.07	0.1	7.786	0.070	0	0	0	6	L
L PL.27652	PL.39858	B	4ACSR	6.53Y	108.8	0.03	17.21	11.17	6	66	31	91	0.02	0.0	7.852	0.066	0	0	0	4	L
L PL.27653	PL.27652	B	4ACSR	6.53Y	108.8	0.02	17.23	9.39	5	56	26	91	0.01	0.0	7.901	0.049	0	0	0	3	L
L 434242	PL.27653	B	Consumer	6.53Y	108.8	0.00	17.23	1.13	0	7	3	90	0.00	0.0	7.901	0.000	7	3	1	1	L
L 434253	PL.27653	B	Consumer	6.53Y	108.8	0.00	17.23	0.51	0	3	0	99	0.00	0.0	7.901	0.000	3	0	1	1	L
L 434249	PL.27653	B	Consumer	6.53Y	108.8	0.00	17.23	7.77	0	46	22	90	0.00	0.0	7.901	0.000	46	22	1	1	L
L 434260	PL.27652	B	Consumer	6.53Y	108.8	0.00	17.21	1.78	0	10	5	90	0.00	0.0	7.852	0.000	10	5	1	1	L
L PL.11600	PL.39858	B	4ACSR	6.53Y	108.8	0.04	17.22	9.18	5	54	26	90	0.02	0.0	7.885	0.098	0	0	0	2	L

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

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Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss	
L 434240	PL.11600	B	Consumer	6.53Y	108.8	0.00	17.22	2.42	0	14	7	90	0.00	0.0	7.885	0.000	14	7	1	1	L
L 4342103	PL.11600	B	Consumer	6.53Y	108.8	0.00	17.22	6.76	0	40	19	90	0.00	0.0	7.885	0.000	40	19	1	1	L
L PL.12067	PL.11601	B	4ACSR	6.53Y	108.8	0.06	17.16	14.39	7	91	25	96	0.04	0.0	7.796	0.086	0	0	0	11	L
L 434285	PL.12067	B	Consumer	6.53Y	108.8	0.00	17.16	0.00	0	0	0	100	0.00	0.0	7.796	0.000	0	0	0	0	L
L PL.6419	PL.12067	B	4ACSR	6.53Y	108.8	0.06	17.22	14.39	7	91	25	96	0.05	0.1	7.889	0.093	0	0	0	11	L
L PL.30971	PL.6419	B	4ACSR	6.52Y	108.7	0.05	17.27	14.39	7	91	25	96	0.04	0.0	7.972	0.083	0	0	0	11	L
L PL.30972	PL.30971	B	4ACSR	6.52Y	108.7	0.01	17.28	14.39	7	90	25	96	0.00	0.0	7.981	0.009	0	0	0	11	L
L PL.39626	PL.30972	B	4ACSR	6.52Y	108.7	0.00	17.28	0.11	0	1	0	99	0.00	0.0	7.982	0.002	0	0	0	1	L
L PD.7002-A	PL.39626	B	Closed	6.52Y	108.7	0.00	17.28	0.11	0	1	0	99	0.00	0.0	7.982	0.000	0	0	0	1	L
L PD.7002-B	PD.7002-A	B	Closed	6.52Y	108.7	0.00	17.28	0.11	0	1	0	99	0.00	0.0	7.982	0.000	0	0	0	1	L
L PL.39627	PD.7002-B	B	4ACSR	6.52Y	108.7	0.00	17.28	0.11	0	1	0	99	0.00	0.0	7.987	0.005	0	0	0	1	L
L PL.39623	PL.39627	B	4ACSR	6.52Y	108.7	0.00	17.28	0.11	0	1	0	99	0.00	0.0	8.159	0.171	0	0	0	1	L
L PL.11598	PL.39623	B	4ACSR	6.52Y	108.7	0.00	17.28	0.11	0	1	0	99	0.00	0.0	8.217	0.058	0	0	0	1	L
L 434237	PL.11598	B	Consumer	6.52Y	108.7	0.00	17.28	0.11	0	1	0	99	0.00	0.0	8.217	0.000	1	0	1	1	L
L PL.40548	PL.11598	B	4ACSR	6.52Y	108.7	0.00	17.28	0.00	0	0	0	100	0.00	0.0	8.266	0.049	0	0	0	0	L
L PD.7220-A	PL.40548	B	Open	6.52Y	108.7	0.00	17.28	0.00	0	0	0	100	0.00	0.0	8.266	0.000	0	0	0	0	L
L PL.27567	PL.30972	B	4ACSR	6.52Y	108.7	0.00	17.28	1.19	1	8	1	99	0.00	0.0	7.999	0.019	0	0	0	3	L
L PD.1390	PL.27567	B	fuse6AMP	6.52Y	108.7	0.00	17.28	1.19	20	8	1	99	0.00	0.0	7.999	0.000	0	0	0	3	L
L PL.27568	PD.1390	B	4ACSR	6.52Y	108.7	0.00	17.29	1.19	1	8	1	99	0.00	0.0	8.093	0.094	0	0	0	3	L
L PL.2529	PL.27568	B	4ACSR	6.52Y	108.7	0.00	17.29	1.19	1	8	1	99	0.00	0.0	8.141	0.048	0	0	0	3	L
L PL.18004	PL.2529	B	4ACSR	6.52Y	108.7	0.00	17.29	1.19	1	8	1	99	0.00	0.0	8.142	0.001	0	0	0	3	L
L 434247	PL.18004	B	Consumer	6.52Y	108.7	0.00	17.29	0.00	0	0	0	100	0.00	0.0	8.142	0.000	0	0	1	1	L
L PL.2530	PL.18004	B	4ACSR	6.52Y	108.7	0.00	17.29	1.19	1	8	1	99	0.00	0.0	8.168	0.026	0	0	0	1	L
L 434251	PL.2530	B	Consumer	6.52Y	108.7	0.00	17.29	1.19	0	8	1	99	0.00	0.0	8.168	0.000	8	1	1	1	L
L PL.18005	PL.18004	B	4ACSR	6.52Y	108.7	0.00	17.29	0.00	0	0	0	100	0.00	0.0	8.185	0.043	0	0	0	1	L
L 434316	PL.18005	B	Consumer	6.52Y	108.7	0.00	17.29	0.00	0	0	0	100	0.00	0.0	8.185	0.000	0	0	1	1	L
L PL.11594	PL.30972	B	4ACSR	6.52Y	108.7	0.00	17.28	13.12	7	82	24	96	0.00	0.0	7.984	0.003	0	0	0	7	L
L PD.6999-A	PL.11594	B	Closed	6.52Y	108.7	0.00	17.28	13.12	0	82	24	96	0.00	0.0	7.984	0.000	0	0	0	7	L
L PD.6999-B	PD.6999-A	B	Closed	6.52Y	108.7	0.00	17.28	13.12	0	82	24	96	0.00	0.0	7.984	0.000	0	0	0	7	L
L PL.27565	PD.6999-B	B	4ACSR	6.52Y	108.7	0.01	17.29	13.12	7	82	24	96	0.00	0.0	7.994	0.010	0	0	0	7	L
L PL.27566	PL.27565	B	4ACSR	6.52Y	108.6	0.08	17.36	13.12	7	82	24	96	0.05	0.1	8.121	0.127	0	0	0	7	L
L PL.2533	PL.27566	B	4ACSR	6.52Y	108.6	0.02	17.39	9.61	5	59	22	94	0.01	0.0	8.174	0.053	0	0	0	3	L
L PL.2534	PL.2533	B	4ACSR	6.51Y	108.6	0.03	17.42	9.61	5	59	22	94	0.02	0.0	8.247	0.073	0	0	0	3	L
L PL.2535	PL.2534	B	4ACSR	6.51Y	108.6	0.02	17.44	9.61	5	59	22	94	0.01	0.0	8.300	0.053	0	0	0	3	L
L 434255	PL.2535	B	Consumer	6.51Y	108.6	0.00	17.44	0.00	0	0	0	100	0.00	0.0	8.300	0.000	0	0	0	0	L
L PL.43726	PL.2535	B	4ACSR	6.51Y	108.5	0.01	17.46	7.01	4	41	20	90	0.01	0.0	8.345	0.045	0	0	0	2	L
L PD.8319	PL.43726	B	fuse6AMP	6.51Y	108.5	0.00	17.46	7.01	120	41	20	90	0.00	0.0	8.345	0.000	0	0	0	2	L
L PL.43727	PD.8319	B	4ACSR	6.51Y	108.5	0.05	17.51	7.01	4	41	20	90	0.02	0.0	8.502	0.157	0	0	0	2	L

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\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru		
							-Base Voltage:120.0-	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF							kW Loss	% Loss
L PL.6420	PL.43727	B	4ACSR	6.51Y	108.5	0.01	17.52	7.01	4	41	20	90	0.00	0.0	8.527	0.025	0	0	0	2	L
L PL.6421	PL.6420	B	4ACSR	6.51Y	108.5	0.00	17.52	0.58	0	3	2	90	0.00	0.0	8.560	0.033	0	0	0	1	L
L 434322	PL.6421	B	Consumer	6.51Y	108.5	0.00	17.52	0.58	0	3	2	90	0.00	0.0	8.560	0.000	3	2	1	1	L
L 434218	PL.6420	B	Consumer	6.51Y	108.5	0.00	17.52	6.43	0	38	18	90	0.00	0.0	8.527	0.000	38	18	1	1	L
L PL.39624	PL.2535	B	4ACSR	6.51Y	108.6	0.00	17.44	2.72	1	18	2	99	0.00	0.0	8.306	0.006	0	0	0	1	L
L PD.7001	PL.39624	B	fuse6AMP	6.51Y	108.6	0.00	17.44	2.72	46	18	2	99	0.00	0.0	8.306	0.000	0	0	0	1	L
L PL.39625	PD.7001	B	4ACSR	6.51Y	108.6	0.00	17.45	2.72	1	18	2	99	0.00	0.0	8.342	0.036	0	0	0	1	L
L 434267	PL.39625	B	Consumer	6.51Y	108.6	0.00	17.45	2.72	0	18	2	99	0.00	0.0	8.342	0.000	18	2	1	1	L
L PL.2531	PL.27566	B	4ACSR	6.52Y	108.6	0.01	17.37	3.59	2	23	2	99	0.00	0.0	8.169	0.048	0	0	0	4	L
L 434210	PL.2531	B	Consumer	6.52Y	108.6	0.00	17.37	3.16	0	20	2	99	0.00	0.0	8.169	0.000	20	2	1	1	L
L PL.2532	PL.2531	B	4ACSR	6.52Y	108.6	0.00	17.37	0.43	0	3	0	99	0.00	0.0	8.230	0.060	0	0	0	3	L
L PL.2538	PL.2532	B	4ACSR	6.52Y	108.6	0.00	17.37	0.30	0	2	0	99	0.00	0.0	8.302	0.072	0	0	0	2	L
L 434243	PL.2538	B	Consumer	6.52Y	108.6	0.00	17.37	0.28	0	2	0	99	0.00	0.0	8.302	0.000	2	0	1	1	L
L 434244	PL.2538	B	Consumer	6.52Y	108.6	0.00	17.37	0.01	0	0	0	99	0.00	0.0	8.302	0.000	0	0	1	1	L
L 434259	PL.2532	B	Consumer	6.52Y	108.6	0.00	17.37	0.00	0	0	0	100	0.00	0.0	8.230	0.000	0	0	0	0	L
L 434239	PL.2532	B	Consumer	6.52Y	108.6	0.00	17.37	0.14	0	1	0	99	0.00	0.0	8.230	0.000	1	0	1	1	L
L 434246	PL.11601	B	Consumer	6.53Y	108.9	0.00	17.11	0.00	0	0	0	100	0.00	0.0	7.710	0.000	0	0	1	1	L
L PL.42859	PL.6418	B	4ACSR	6.55Y	109.2	0.00	16.84	0.97	0	6	1	99	0.00	0.0	7.598	0.058	0	0	0	1	L
L 434269	PL.42859	B	Consumer	6.55Y	109.2	0.00	16.84	0.97	0	6	1	99	0.00	0.0	7.598	0.000	6	1	1	1	L
L 4342101	PL.31883	B	Consumer	6.56Y	109.3	0.00	16.71	2.00	0	13	1	99	0.00	0.0	7.461	0.000	13	1	1	1	L
L 434256	PL.31883	B	Consumer	6.56Y	109.3	0.00	16.71	0.00	0	0	0	100	0.00	0.0	7.461	0.000	0	0	0	0	L
PL.42858	PL.42854	C	4ACSR	7.17Y	119.5	0.01	6.49	24.74	13	176	20	99	0.01	0.0	7.433	0.007	0	0	0	32	
C PD.8149	PL.42858	C	25L	7.17Y	119.5	0.00	6.49	24.74	99	176	20	99	0.00	0.0	7.433	0.000	0	0	0	32	C
PL.42857	PD.8149	C	4ACSR	7.17Y	119.5	0.02	6.50	24.74	13	176	20	99	0.02	0.0	7.449	0.016	0	0	0	32	
PL.40493	PL.42857	C	4ACSR	7.17Y	119.5	0.03	6.53	24.74	13	176	20	99	0.04	0.0	7.473	0.024	0	0	0	32	
434222	PL.40493	C	Consumer	7.17Y	119.5	0.00	6.53	1.70	0	12	1	99	0.00	0.0	7.473	0.000	12	1	1	1	
434261	PL.40493	C	Consumer	7.17Y	119.5	0.00	6.53	0.60	0	4	0	99	0.00	0.0	7.473	0.000	4	0	1	1	
PL.12108	PL.40493	C	4ACSR	7.16Y	119.4	0.07	6.60	22.44	12	160	19	99	0.09	0.1	7.544	0.071	0	0	0	30	
PL.39408	PL.12108	C	4ACSR	7.16Y	119.4	0.00	6.60	6.00	3	43	4	99	0.00	0.0	7.548	0.005	0	0	0	8	
C PD.7097	PL.39408	C	fuse6AMP	7.16Y	119.4	0.00	6.60	6.00	103	43	4	99	0.00	0.0	7.548	0.000	0	0	0	8	C
PL.39409	PD.7097	C	4ACSR	7.16Y	119.4	0.01	6.60	6.00	3	43	4	99	0.00	0.0	7.575	0.027	0	0	0	8	
PL.12110	PL.39409	C	4ACSR	7.16Y	119.4	0.02	6.62	4.08	2	29	3	99	0.00	0.0	7.687	0.112	0	0	0	4	
PL.12111	PL.12110	C	4ACSR	7.16Y	119.4	0.00	6.62	2.95	2	21	2	99	0.00	0.0	7.690	0.003	0	0	0	3	
PL.2541	PL.12111	C	4ACSR	7.16Y	119.4	0.02	6.64	2.95	2	21	2	99	0.00	0.0	7.822	0.132	0	0	0	3	
PL.2542	PL.2541	C	4ACSR	7.16Y	119.4	0.01	6.65	2.95	2	21	2	99	0.00	0.0	7.884	0.062	0	0	0	3	
PL.2540	PL.2542	C	4ACSR	7.16Y	119.3	0.01	6.66	2.95	2	21	2	99	0.00	0.0	7.964	0.080	0	0	0	3	
434262	PL.2540	C	Consumer	7.16Y	119.3	0.00	6.66	1.73	0	12	1	99	0.00	0.0	7.964	0.000	12	1	1	1	
434229	PL.2540	C	Consumer	7.16Y	119.3	0.00	6.66	1.07	0	8	1	99	0.00	0.0	7.964	0.000	8	1	1	1	

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts -Base Voltage:120.0-							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss
434228	PL.2540	C	Consumer	7.16Y	119.3	0.00	6.66	0.15	0	1	0	99	0.00	0.0	7.964	0.000	1	0	1	1
434293	PL.12110	C	Consumer	7.16Y	119.4	0.00	6.62	1.14	0	8	1	99	0.00	0.0	7.687	0.000	8	1	1	1
4342110	PL.12110	C	Consumer	7.16Y	119.4	0.00	6.62	0.00	0	0	0	100	0.00	0.0	7.687	0.000	0	0	0	0
PL.19820	PL.39409	C	4ACSR	7.16Y	119.4	0.01	6.61	1.92	1	14	1	99	0.00	0.0	7.638	0.063	0	0	0	4
PL.20654	PL.19820	C	4ACSR	7.16Y	119.4	0.00	6.61	1.17	1	8	1	99	0.00	0.0	7.725	0.088	0	0	0	2
434299	PL.20654	C	Consumer	7.16Y	119.4	0.00	6.61	0.20	0	1	0	99	0.00	0.0	7.725	0.000	1	0	1	1
434231	PL.20654	C	Consumer	7.16Y	119.4	0.00	6.61	0.00	0	0	0	100	0.00	0.0	7.725	0.000	0	0	0	0
PL.33989	PL.20654	C	2ACSR	7.16Y	119.4	0.00	6.61	0.97	0	7	1	99	0.00	0.0	7.783	0.058	0	0	0	1
4342105	PL.33989	C	Consumer	7.16Y	119.4	0.00	6.61	0.97	0	7	1	99	0.00	0.0	7.783	0.000	7	1	1	1
434216	PL.19820	C	Consumer	7.16Y	119.4	0.00	6.61	0.73	0	5	1	99	0.00	0.0	7.638	0.000	5	1	1	1
434296	PL.19820	C	Consumer	7.16Y	119.4	0.00	6.61	0.02	0	0	0	99	0.00	0.0	7.638	0.000	0	0	1	1
PL.27982	PL.12108	C	4ACSR	7.16Y	119.4	0.04	6.63	16.44	8	117	14	99	0.03	0.0	7.594	0.051	0	0	0	22
PL.27981	PL.27982	C	4ACSR	7.16Y	119.3	0.08	6.72	15.01	8	107	13	99	0.07	0.1	7.726	0.132	0	0	0	21
434234	PL.27981	C	Consumer	7.16Y	119.3	0.00	6.72	0.33	0	2	0	99	0.00	0.0	7.726	0.000	2	0	1	1
4342117	PL.27981	C	Consumer	7.16Y	119.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	7.726	0.000	0	0	0	0
434202	PL.27981	C	Consumer	7.16Y	119.3	0.00	6.72	1.18	0	8	1	99	0.00	0.0	7.726	0.000	8	1	1	1
434223	PL.27981	C	Consumer	7.16Y	119.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	7.726	0.000	0	0	0	0
PL.12107	PL.27981	C	4ACSR	7.15Y	119.2	0.05	6.76	13.50	7	96	12	99	0.04	0.0	7.809	0.082	0	0	0	19
PL.39412	PL.12107	C	4ACSR	7.15Y	119.2	0.00	6.76	8.30	4	59	6	99	0.00	0.0	7.813	0.005	0	0	0	9
C PD.7099	PL.39412	C	fuse6AMP	7.15Y	119.2	0.00	6.76	8.30	142	59	6	99	0.00	0.0	7.813	0.000	0	0	0	9 C
PL.39413	PD.7099	C	4ACSR	7.15Y	119.2	0.03	6.79	8.30	4	59	6	99	0.01	0.0	7.887	0.074	0	0	0	9
PL.6442	PL.39413	C	4ACSR	7.15Y	119.2	0.01	6.80	1.33	1	9	1	99	0.00	0.0	7.984	0.098	0	0	0	2
434295	PL.6442	C	Consumer	7.15Y	119.2	0.00	6.80	0.56	0	4	0	99	0.00	0.0	7.984	0.000	4	0	1	1
PL.6443	PL.6442	C	4ACSR	7.15Y	119.2	0.00	6.80	0.77	0	5	1	99	0.00	0.0	8.057	0.072	0	0	0	1
434258	PL.6443	C	Consumer	7.15Y	119.2	0.00	6.80	0.77	0	5	1	99	0.00	0.0	8.057	0.000	5	1	1	1
PL.6429	PL.39413	C	4ACSR	7.15Y	119.2	0.01	6.80	4.65	2	33	3	99	0.00	0.0	7.924	0.037	0	0	0	5
PL.6436	PL.6429	C	4ACSR	7.15Y	119.2	0.01	6.80	2.70	1	19	2	99	0.00	0.0	7.979	0.055	0	0	0	4
433211	PL.6436	C	Consumer	7.15Y	119.2	0.00	6.80	0.39	0	3	0	99	0.00	0.0	7.979	0.000	3	0	1	1
4332015	PL.6436	C	Consumer	7.15Y	119.2	0.00	6.80	0.00	0	0	0	100	0.00	0.0	7.979	0.000	0	0	0	0
433209	PL.6436	C	Consumer	7.15Y	119.2	0.00	6.80	1.33	0	9	1	99	0.00	0.0	7.979	0.000	9	1	1	1
433208	PL.6436	C	Consumer	7.15Y	119.2	0.00	6.80	0.19	0	1	0	99	0.00	0.0	7.979	0.000	1	0	1	1
PL.2448	PL.6436	C	4ACSR	7.15Y	119.2	0.00	6.80	0.00	0	0	0	100	0.00	0.0	8.017	0.038	0	0	0	0
433213	PL.2448	C	Consumer	7.15Y	119.2	0.00	6.80	0.00	0	0	0	100	0.00	0.0	8.017	0.000	0	0	0	0
PL.2449	PL.6436	C	4ACSR	7.15Y	119.2	0.00	6.80	0.00	0	0	0	100	0.00	0.0	8.028	0.049	0	0	0	0
PL.2544	PL.6436	C	4ACSR	7.15Y	119.2	0.00	6.81	0.80	0	6	1	99	0.00	0.0	8.067	0.088	0	0	0	1
433210	PL.2544	C	Consumer	7.15Y	119.2	0.00	6.81	0.80	0	6	1	99	0.00	0.0	8.067	0.000	6	1	1	1
433212	PL.6429	C	Consumer	7.15Y	119.2	0.00	6.80	1.95	0	14	1	99	0.00	0.0	7.924	0.000	14	1	1	1
PL.2426	PL.39413	C	4ACSR	7.15Y	119.2	0.01	6.80	2.31	1	16	2	99	0.00	0.0	7.953	0.066	0	0	0	2

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss
434254	PL.2426	C	Consumer	7.15Y	119.2	0.00	6.80	0.99	0	7	1	99	0.00	0.0	7.953	0.000	7	1	1	1
433214	PL.2426	C	Consumer	7.15Y	119.2	0.00	6.80	1.32	0	9	1	99	0.00	0.0	7.953	0.000	9	1	1	1
PL.39410	PL.12107	C	4ACSR	7.15Y	119.2	0.00	6.76	0.31	0	2	1	90	0.00	0.0	7.813	0.004	0	0	0	1
PD.7098	PL.39410	C	fuse6AMP	7.15Y	119.2	0.00	6.76	0.31	5	2	1	90	0.00	0.0	7.813	0.000	0	0	0	1
PL.39411	PD.7098	C	4ACSR	7.15Y	119.2	0.00	6.76	0.31	0	2	1	90	0.00	0.0	7.936	0.123	0	0	0	1
434224	PL.39411	C	Consumer	7.15Y	119.2	0.00	6.76	0.31	0	2	1	90	0.00	0.0	7.936	0.000	2	1	1	1
PL.12106	PL.12107	C	4ACSR	7.15Y	119.2	0.01	6.77	4.91	3	35	5	99	0.00	0.0	7.844	0.035	0	0	0	9
434201	PL.12106	C	Consumer	7.15Y	119.2	0.00	6.77	0.31	0	2	0	99	0.00	0.0	7.844	0.000	2	0	1	1
434235	PL.12106	C	Consumer	7.15Y	119.2	0.00	6.77	0.00	0	0	0	99	0.00	0.0	7.844	0.000	0	0	1	1
PL.6422	PL.12106	C	4ACSR	7.15Y	119.2	0.02	6.79	4.60	2	33	5	99	0.00	0.0	7.932	0.089	0	0	0	7
PL.12101	PL.6422	C	4ACSR	7.15Y	119.2	0.02	6.80	4.60	2	33	5	99	0.00	0.0	8.017	0.085	0	0	0	7
PL.44642	PL.12101	C	4ACSR	7.15Y	119.2	0.00	6.81	4.12	2	29	3	99	0.00	0.0	8.036	0.018	0	0	0	5
PD.8587	PL.44642	C	fuse6AMP	7.15Y	119.2	0.00	6.81	4.12	70	29	3	99	0.00	0.0	8.036	0.000	0	0	0	5
PL.44643	PD.8587	C	4ACSR	7.15Y	119.2	0.02	6.83	4.12	2	29	3	99	0.00	0.0	8.146	0.111	0	0	0	5
PL.12105	PL.44643	C	4ACSR	7.15Y	119.2	0.01	6.83	2.01	1	14	1	99	0.00	0.0	8.215	0.069	0	0	0	3
PL.7138	PL.12105	C	4ACSR	7.15Y	119.2	0.01	6.85	2.01	1	14	1	99	0.00	0.0	8.380	0.165	0	0	0	3
PL.2543	PL.7138	C	4ACSR	7.15Y	119.2	0.00	6.85	0.00	0	0	0	100	0.00	0.0	8.380	0.000	0	0	0	0
PL.2429	PL.7138	C	4ACSR	7.15Y	119.2	0.00	6.85	2.01	1	14	1	99	0.00	0.0	8.409	0.029	0	0	0	3
PL.2428	PL.2429	C	4ACSR	7.15Y	119.1	0.00	6.85	1.34	1	10	1	99	0.00	0.0	8.478	0.069	0	0	0	2
433201	PL.2428	C	Consumer	7.15Y	119.1	0.00	6.85	0.63	0	4	0	99	0.00	0.0	8.478	0.000	4	0	1	1
PL.2427	PL.2428	C	4ACSR	7.15Y	119.1	0.00	6.85	0.72	0	5	1	99	0.00	0.0	8.525	0.048	0	0	0	1
PL.2834	PL.2427	C	4ACSR	7.15Y	119.1	0.00	6.86	0.72	0	5	1	99	0.00	0.0	8.684	0.159	0	0	0	1
PL.2835	PL.2834	C	4ACSR	7.15Y	119.1	0.00	6.86	0.00	0	0	0	100	0.00	0.0	8.805	0.120	0	0	0	0
PL.2430	PL.2835	C	4ACSR	7.15Y	119.1	0.00	6.86	0.00	0	0	0	100	0.00	0.0	9.007	0.202	0	0	0	0
PL.2431	PL.2430	C	4ACSR	7.15Y	119.1	0.00	6.86	0.00	0	0	0	100	0.00	0.0	9.121	0.114	0	0	0	0
483915	PL.2834	C	Consumer	7.15Y	119.1	0.00	6.86	0.72	0	5	1	99	0.00	0.0	8.684	0.000	5	1	1	1
PL.6423	PL.2429	C	4ACSR	7.15Y	119.1	0.00	6.85	0.67	0	5	0	99	0.00	0.0	8.553	0.144	0	0	0	1
PL.6424	PL.6423	C	4ACSR	7.15Y	119.1	0.00	6.85	0.67	0	5	0	99	0.00	0.0	8.621	0.068	0	0	0	1
433203	PL.6424	C	Consumer	7.15Y	119.1	0.00	6.85	0.67	0	5	0	99	0.00	0.0	8.621	0.000	5	0	1	1
483922	PL.12105	C	Consumer	7.15Y	119.2	0.00	6.83	0.00	0	0	0	100	0.00	0.0	8.215	0.000	0	0	0	0
PL.2592	PL.44643	C	4ACSR	7.15Y	119.2	0.00	6.83	2.11	1	15	2	99	0.00	0.0	8.186	0.040	0	0	0	2
483944	PL.2592	C	Consumer	7.15Y	119.2	0.00	6.83	0.63	0	4	0	99	0.00	0.0	8.186	0.000	4	0	1	1
4839047	PL.2592	C	Consumer	7.15Y	119.2	0.00	6.83	1.48	0	11	1	99	0.00	0.0	8.186	0.000	11	1	1	1
PL.12100	PL.12101	C	4ACSR	7.15Y	119.2	0.00	6.80	0.51	0	3	2	90	0.00	0.0	8.039	0.022	0	0	0	2
PL.40551	PL.12100	C	4ACSR	7.15Y	119.2	0.00	6.80	0.00	0	0	0	100	0.00	0.0	8.078	0.039	0	0	0	0
PD.7221-B	PL.40551	C	Open	7.15Y	119.2	0.00	6.80	0.00	0	0	0	100	0.00	0.0	8.078	0.000	0	0	0	0
PL.2829	PL.12100	C	4ACSR	7.15Y	119.2	0.00	6.81	0.51	0	3	2	90	0.00	0.0	8.176	0.137	0	0	0	2
PL.2828	PL.2829	C	4ACSR	7.15Y	119.2	0.00	6.81	0.51	0	3	2	90	0.00	0.0	8.311	0.135	0	0	0	1

Unbalanced Voltage Drop Report
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Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss
PL.2827	PL.2828	C	4ACSR	7.15Y	119.2	0.00	6.81	0.51	0	3	2	90	0.00	0.0	8.418	0.107	0	0	0	1
484930	PL.2827	C	Consumer	7.15Y	119.2	0.00	6.81	0.51	0	3	2	90	0.00	0.0	8.418	0.000	3	2	1	1
484938	PL.2829	C	Consumer	7.15Y	119.2	0.00	6.81	0.00	0	0	0	100	0.00	0.0	8.176	0.000	0	0	1	1
434226	PL.27982	C	Consumer	7.16Y	119.4	0.00	6.63	1.43	0	10	1	99	0.00	0.0	7.594	0.000	10	1	1	1
L 434221	PL.42852	B	Consumer	6.56Y	109.4	0.00	16.60	0.33	0	2	0	99	0.00	0.0	7.346	0.000	2	0	1	1 L
L 434238	PL.42850	B	Consumer	6.57Y	109.4	0.00	16.58	1.25	0	8	1	99	0.00	0.0	7.313	0.000	8	1	1	1 L
L PL.42849	PL.42846	A	336ACSR	6.99Y	116.6	0.00	9.43	10.95	1	76	8	99	0.00	0.0	7.298	0.005	0	0	0	7 L
L PD.1389	PL.42849	A	fuse6AMP	6.99Y	116.6	0.00	9.43	10.95	187	76	8	99	0.00	0.0	7.298	0.000	0	0	0	7 L
L PL.42848	PD.1389	A	336ACSR	6.99Y	116.6	0.00	9.44	10.95	1	76	8	99	0.00	0.0	7.320	0.022	0	0	0	7 L
L PL.12069	PL.42848	A	4ACSR	6.99Y	116.6	0.00	9.44	9.14	5	64	7	99	0.00	0.0	7.326	0.006	0	0	0	6 L
L PL.12070	PL.12069	A	4ACSR	6.99Y	116.5	0.01	9.45	9.14	5	64	7	99	0.01	0.0	7.360	0.035	0	0	0	6 L
L PL.18686	PL.12070	A	4ACSR	6.99Y	116.5	0.01	9.46	7.79	4	54	6	99	0.01	0.0	7.400	0.039	0	0	0	5 L
L PL.42565	PL.18686	A	4ACSR	6.99Y	116.5	0.00	9.47	2.51	1	17	2	99	0.00	0.0	7.434	0.034	0	0	0	2 L
L PL.42566	PL.42565	A	4ACSR	6.99Y	116.5	0.02	9.49	2.51	1	17	2	99	0.00	0.0	7.623	0.189	0	0	0	2 L
L PL.33741	PL.42566	A	4ACSR	6.99Y	116.5	0.00	9.49	2.51	1	17	2	99	0.00	0.0	7.654	0.031	0	0	0	2 L
L 434282	PL.33741	A	Consumer	6.99Y	116.5	0.00	9.49	1.67	0	12	1	99	0.00	0.0	7.654	0.000	12	1	1	1 L
L 4342108	PL.33741	A	Consumer	6.99Y	116.5	0.00	9.49	0.84	0	6	1	99	0.00	0.0	7.654	0.000	6	1	1	1 L
L PL.33742	PL.42566	A	2ACSR	6.99Y	116.5	0.00	9.49	0.00	0	0	0	100	0.00	0.0	7.679	0.057	0	0	0	0 L
L PD.4018	PL.33742	A	fuse6AMP	6.99Y	116.5	0.00	9.49	0.00	0	0	0	100	0.00	0.0	7.679	0.000	0	0	0	0 L
L PL.45607	PD.4018	A	2ACSR	6.99Y	116.5	0.00	9.49	0.00	0	0	0	100	0.00	0.0	7.787	0.107	0	0	0	0 L
L 4342119	PL.45607	A	Consumer	6.99Y	116.5	0.00	9.49	0.00	0	0	0	100	0.00	0.0	7.787	0.000	0	0	0	0 L
L 4342115	PL.45607	A	Consumer	6.99Y	116.5	0.00	9.49	0.00	0	0	0	100	0.00	0.0	7.787	0.000	0	0	0	0 L
L PL.45608	PL.45607	A	2ACSR	6.99Y	116.5	0.00	9.49	0.00	0	0	0	100	0.00	0.0	7.996	0.209	0	0	0	0 L
L 4342114	PL.45608	A	Consumer	6.99Y	116.5	0.00	9.49	0.00	0	0	0	100	0.00	0.0	7.996	0.000	0	0	0	0 L
L 4342111	PL.42565	A	Consumer	6.99Y	116.5	0.00	9.47	0.00	0	0	0	100	0.00	0.0	7.434	0.000	0	0	0	0 L
L PL.33923	PL.18686	A	2ACSR	6.99Y	116.5	0.00	9.46	0.00	0	0	0	100	0.00	0.0	7.431	0.032	0	0	0	0 L
L 434292	PL.18686	A	Consumer	6.99Y	116.5	0.00	9.46	1.21	0	8	1	99	0.00	0.0	7.400	0.000	8	1	1	1 L
L 4342104	PL.18686	A	Consumer	6.99Y	116.5	0.00	9.46	1.95	0	14	1	99	0.00	0.0	7.400	0.000	14	1	1	1 L
L 434298	PL.18686	A	Consumer	6.99Y	116.5	0.00	9.46	2.12	0	15	2	99	0.00	0.0	7.400	0.000	15	2	1	1 L
L 434291	PL.12070	A	Consumer	6.99Y	116.5	0.00	9.45	1.35	0	9	1	99	0.00	0.0	7.360	0.000	9	1	1	1 L
L PL.12073	PL.42848	A	336ACSR	6.99Y	116.6	0.00	9.44	0.00	0	0	0	100	0.00	0.0	7.322	0.002	0	0	0	0 L
L 4342102	PL.42848	A	Consumer	6.99Y	116.6	0.00	9.44	1.81	0	13	1	99	0.00	0.0	7.320	0.000	13	1	1	1 L
L PL.42841	PL.42834	B	4ACSR	6.57Y	109.5	0.00	16.51	4.75	2	31	3	99	0.00	0.0	7.186	0.006	0	0	0	3 L
L PD.7194-A	PL.42841	B	Closed	6.57Y	109.5	0.00	16.51	4.75	0	31	3	99	0.00	0.0	7.186	0.000	0	0	0	3 L
L PD.7194-B	PD.7194-A	B	Closed	6.57Y	109.5	0.00	16.51	4.75	0	31	3	99	0.00	0.0	7.186	0.000	0	0	0	3 L
L PL.42842	PD.7194-B	B	4ACSR	6.57Y	109.5	0.01	16.52	4.75	2	31	3	99	0.00	0.0	7.224	0.038	0	0	0	3 L
L PL.6417	PL.42842	B	4ACSR	6.57Y	109.5	0.00	16.52	0.00	0	0	0	100	0.00	0.0	7.273	0.049	0	0	0	0 L
L 434236	PL.6417	B	Consumer	6.57Y	109.5	0.00	16.52	0.00	0	0	0	100	0.00	0.0	7.273	0.000	0	0	0	0 L

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Length (mi)	-----Element-----					
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss			% Loss	KW	KVAR	Cons On	Cons Thru	
L 434232	PL.42842	B	Consumer	6.57Y	109.5	0.00	16.52	1.47	0	10	1	99	0.00	0.0	7.224	0.000	10	1	1	1	L
L 4342113	434232	B	Consumer	6.57Y	109.5	0.00	16.52	0.00	0	0	0	100	0.00	0.0	7.224	0.000	0	0	0	0	L
L 434252	PL.42842	B	Consumer	6.57Y	109.5	0.00	16.52	1.73	0	11	1	99	0.00	0.0	7.224	0.000	11	1	1	1	L
L 434278	PL.42842	B	Consumer	6.57Y	109.5	0.00	16.52	1.55	0	10	1	99	0.00	0.0	7.224	0.000	10	1	1	1	L
L 434268	PL.42842	B	Consumer	6.57Y	109.5	0.00	16.52	0.00	0	0	0	100	0.00	0.0	7.224	0.000	0	0	0	0	L
L PL.42839	PL.42834	A	4ACSR	6.99Y	116.6	0.00	9.43	19.98	10	139	15	99	0.00	0.0	7.186	0.005	0	0	0	18	L
L PD.6994	PL.42839	A	25L	6.99Y	116.6	0.00	9.43	19.98	80	139	15	99	0.00	0.0	7.186	0.000	0	0	0	18	L
L PL.42840	PD.6994	A	4ACSR	6.99Y	116.5	0.05	9.48	19.98	10	139	15	99	0.06	0.0	7.246	0.060	0	0	0	18	L
L 4342107	PL.42840	A	Consumer	6.99Y	116.5	0.00	9.48	1.01	0	7	1	99	0.00	0.0	7.246	0.000	7	1	1	1	L
L 434271	PL.42840	A	Consumer	6.99Y	116.5	0.00	9.48	1.61	0	11	1	99	0.00	0.0	7.246	0.000	11	1	1	1	L
L PL.42838	PL.42840	A	4ACSR	6.99Y	116.4	0.08	9.56	17.36	9	121	13	99	0.08	0.1	7.352	0.106	0	0	0	16	L
L PL.39307	PL.42838	A	2ACSR	6.99Y	116.4	0.00	9.56	0.05	0	0	0	99	0.00	0.0	7.356	0.004	0	0	0	1	L
L PD.6897	PL.39307	A	fuse6AMP	6.99Y	116.4	0.00	9.56	0.05	1	0	0	99	0.00	0.0	7.356	0.000	0	0	0	1	L
L PL.39308	PD.6897	A	2ACSR	6.99Y	116.4	0.00	9.56	0.05	0	0	0	99	0.00	0.0	7.386	0.030	0	0	0	1	L
L 4342109	PL.39308	A	Consumer	6.99Y	116.4	0.00	9.56	0.05	0	0	0	99	0.00	0.0	7.386	0.000	0	0	1	1	L
L PL.19819	PL.42838	A	4ACSR	6.98Y	116.4	0.04	9.60	17.30	9	120	13	99	0.04	0.0	7.402	0.050	0	0	0	14	L
L PL.17471	PL.19819	A	4ACSR	6.98Y	116.4	0.03	9.62	15.05	8	105	11	99	0.02	0.0	7.443	0.041	0	0	0	12	L
L PL.6437	PL.17471	A	4ACSR	6.98Y	116.4	0.00	9.63	15.03	8	104	11	99	0.00	0.0	7.444	0.002	0	0	0	11	L
L PL.14333	PL.6437	A	4ACSR	6.98Y	116.4	0.02	9.65	15.03	8	104	11	99	0.02	0.0	7.476	0.032	0	0	0	11	L
L PL.27860	PL.14333	A	4ACSR	6.98Y	116.3	0.02	9.66	12.03	6	84	9	99	0.01	0.0	7.511	0.035	0	0	0	9	L
L PL.27861	PL.27860	A	4ACSR	6.98Y	116.3	0.03	9.69	9.89	5	69	7	99	0.02	0.0	7.578	0.067	0	0	0	7	L
L 434288	PL.27861	A	Consumer	6.98Y	116.3	0.00	9.69	0.65	0	5	0	99	0.00	0.0	7.578	0.000	5	0	1	1	L
L PL.14335	PL.27861	A	4ACSR	6.98Y	116.3	0.06	9.75	9.23	5	64	7	99	0.03	0.0	7.726	0.148	0	0	0	6	L
L PL.14336	PL.14335	A	4ACSR	6.97Y	116.2	0.01	9.76	4.65	2	32	3	99	0.00	0.0	7.772	0.046	0	0	0	4	L
L PL.39316	PL.14336	A	4ACSR	6.97Y	116.2	0.00	9.76	2.57	1	18	2	99	0.00	0.0	7.775	0.003	0	0	0	2	L
L PD.6900	PL.39316	A	fuse6AMP	6.97Y	116.2	0.00	9.76	2.57	44	18	2	99	0.00	0.0	7.775	0.000	0	0	0	2	L
L PL.39317	PD.6900	A	4ACSR	6.97Y	116.2	0.00	9.76	2.57	1	18	2	99	0.00	0.0	7.802	0.027	0	0	0	2	L
L PL.2447	PL.39317	A	4ACSR	6.97Y	116.2	0.00	9.76	2.57	1	18	2	99	0.00	0.0	7.825	0.023	0	0	0	2	L
L 434281	PL.2447	A	Consumer	6.97Y	116.2	0.00	9.76	1.09	0	8	1	99	0.00	0.0	7.825	0.000	8	1	1	1	L
L 434287	PL.2447	A	Consumer	6.97Y	116.2	0.00	9.76	1.48	0	10	1	99	0.00	0.0	7.825	0.000	10	1	1	1	L
L PL.14337	PL.14336	A	4ACSR	6.97Y	116.2	0.00	9.76	2.08	1	14	1	99	0.00	0.0	7.822	0.050	0	0	0	2	L
L PL.14338	PL.14337	A	4ACSR	6.97Y	116.2	0.00	9.76	1.39	1	10	1	99	0.00	0.0	7.872	0.050	0	0	0	1	L
L 434286	PL.14338	A	Consumer	6.97Y	116.2	0.00	9.76	1.39	0	10	1	99	0.00	0.0	7.872	0.000	10	1	1	1	L
L PL.39318	PL.14337	A	4ACSR	6.97Y	116.2	0.00	9.76	0.69	0	5	0	99	0.00	0.0	7.824	0.002	0	0	0	1	L
L PD.6901	PL.39318	A	fuse6AMP	6.97Y	116.2	0.00	9.76	0.69	12	5	0	99	0.00	0.0	7.824	0.000	0	0	0	1	L
L PL.39319	PD.6901	A	4ACSR	6.97Y	116.2	0.00	9.76	0.69	0	5	0	99	0.00	0.0	7.878	0.055	0	0	0	1	L
L 4342100	PL.39319	A	Consumer	6.97Y	116.2	0.00	9.76	0.69	0	5	0	99	0.00	0.0	7.878	0.000	5	0	1	1	L
L PL.6440	PL.14335	A	4ACSR	6.98Y	116.3	0.00	9.75	4.58	2	32	3	99	0.00	0.0	7.728	0.002	0	0	0	2	L

Unbalanced Voltage Drop Report
Source: SIDEVIEW

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Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru			
							Accum Drop	Thru Amps	% Cap	Thru KW	% PF	kW Loss	% Loss									
L 434289	PL.6440	A	Consumer	6.98Y	116.3	0.00	9.75	1.67	0	12	1	99	0.00	0.0	7.728	0.000	12	1	1	1	L	
L PL.39320	PL.6440	A	4ACSR	6.98Y	116.3	0.00	9.75	2.91	1	20	2	99	0.00	0.0	7.730	0.003	0	0	0	0	1	L
L PD.6902	PL.39320	A	fuse6AMP	6.98Y	116.3	0.00	9.75	2.91	50	20	2	99	0.00	0.0	7.730	0.000	0	0	0	0	1	L
L PL.39321	PD.6902	A	4ACSR	6.97Y	116.2	0.01	9.76	2.91	1	20	2	99	0.00	0.0	7.782	0.052	0	0	0	0	1	L
L 434290	PL.39321	A	Consumer	6.97Y	116.2	0.00	9.76	2.91	0	20	2	99	0.00	0.0	7.782	0.000	20	2	1	1	1	L
L 434294	PL.27860	A	Consumer	6.98Y	116.3	0.00	9.66	0.00	0	0	0	100	0.00	0.0	7.511	0.000	0	0	1	1	1	L
L 434275	PL.27860	A	Consumer	6.98Y	116.3	0.00	9.66	2.14	0	15	2	99	0.00	0.0	7.511	0.000	15	2	1	1	1	L
L PL.39311	PL.14333	A	4ACSR	6.98Y	116.4	0.00	9.65	3.00	2	21	2	99	0.00	0.0	7.479	0.003	0	0	0	0	2	L
L PD.6899	PL.39311	A	fuse6AMP	6.98Y	116.4	0.00	9.65	3.00	51	21	2	99	0.00	0.0	7.479	0.000	0	0	0	0	2	L
L PL.39314	PD.6899	A	4ACSR	6.98Y	116.4	0.00	9.65	3.00	2	21	2	99	0.00	0.0	7.482	0.003	0	0	0	0	2	L
L PL.39315	PL.39314	A	4ACSR	6.98Y	116.4	0.00	9.65	1.05	1	7	1	99	0.00	0.0	7.531	0.049	0	0	0	0	1	L
L 434277	PL.39315	A	Consumer	6.98Y	116.4	0.00	9.65	1.05	0	7	1	99	0.00	0.0	7.531	0.000	7	1	1	1	1	L
L PL.39313	PL.39314	A	4ACSR	6.98Y	116.4	0.00	9.65	1.95	1	14	1	99	0.00	0.0	7.513	0.031	0	0	0	0	1	L
L 434280	PL.39313	A	Consumer	6.98Y	116.4	0.00	9.65	1.95	0	14	1	99	0.00	0.0	7.513	0.000	14	1	1	1	1	L
L 434274	PL.39313	A	Consumer	6.98Y	116.4	0.00	9.65	0.00	0	0	0	100	0.00	0.0	7.513	0.000	0	0	0	0	0	L
L 434276	PL.17471	A	Consumer	6.98Y	116.4	0.00	9.62	0.01	0	0	0	99	0.00	0.0	7.443	0.000	0	0	1	1	1	L
L 4342118	PL.17471	A	Consumer	6.98Y	116.4	0.00	9.62	0.00	0	0	0	100	0.00	0.0	7.443	0.000	0	0	0	0	0	L
L PL.39309	PL.19819	A	4ACSR	6.98Y	116.4	0.00	9.60	2.26	1	16	2	99	0.00	0.0	7.405	0.003	0	0	0	0	2	L
L PD.6898	PL.39309	A	fuse6AMP	6.98Y	116.4	0.00	9.60	2.26	39	16	2	99	0.00	0.0	7.405	0.000	0	0	0	0	2	L
L PL.39310	PD.6898	A	4ACSR	6.98Y	116.4	0.00	9.60	2.26	1	16	2	99	0.00	0.0	7.432	0.027	0	0	0	0	2	L
L 434272	PL.39310	A	Consumer	6.98Y	116.4	0.00	9.60	1.15	0	8	1	99	0.00	0.0	7.432	0.000	8	1	1	1	1	L
L 434273	PL.39310	A	Consumer	6.98Y	116.4	0.00	9.60	1.11	0	8	1	99	0.00	0.0	7.432	0.000	8	1	1	1	1	L
L 434284	PL.42838	A	Consumer	6.99Y	116.4	0.00	9.56	0.01	0	0	0	99	0.00	0.0	7.352	0.000	0	0	1	1	1	L
L PL.43244	PL.43245	A	1/0EPRJCN	7.00Y	116.6	-0.00	9.40	-0.02	0	0	0	0	0.00	0.0	7.098	0.037	0	0	0	0	0	L
L		B		6.57Y	109.5	-0.00	16.46	-0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	L
		C		7.17Y	119.5	0.00	6.49	1.20	1	9	1	100			0	0	0	0	0	1		
	PL.43247	C	1/0EPRJCN	7.17Y	119.5	0.00	6.49	1.20	1	9	1	100	0.00	0.0	7.124	0.026	0	0	0	0	1	
	434220	C	Consumer	7.17Y	119.5	0.00	6.49	1.20	0	9	1	99	0.00	0.0	7.124	0.000	9	1	1	1	1	
L 4342112	PL.43244	A	Consumer	7.00Y	116.6	0.00	9.40	0.00	0	0	0	100	0.00	0.0	7.098	0.000	0	0	0	0	0	L
L		B		6.57Y	109.5	0.00	16.46	0.00	0	0	0	100			0	0	0	0	0	0	0	L
		C		7.17Y	119.5	0.00	6.49	0.00	0	0	0	100			0	0	0	0	0	0	0	
L PL.42825	PL.42818	B	4ACSR	6.57Y	109.6	0.00	16.44	0.03	0	0	0	99	0.00	0.0	7.022	0.006	0	0	0	0	2	L
L PD.8144	PL.42825	B	fuse6AMP	6.57Y	109.6	0.00	16.44	0.03	0	0	0	99	0.00	0.0	7.022	0.000	0	0	0	0	2	L
L PL.42826	PD.8144	B	4ACSR	6.57Y	109.6	0.00	16.44	0.03	0	0	0	99	0.00	0.0	7.231	0.209	0	0	0	0	2	L
L PL.2527	PL.42826	B	4ACSR	6.57Y	109.6	0.00	16.44	0.01	0	0	0	99	0.00	0.0	7.342	0.111	0	0	0	0	1	L
L 434219	PL.2527	B	Consumer	6.57Y	109.6	0.00	16.44	0.01	0	0	0	99	0.00	0.0	7.342	0.000	0	0	1	1	1	L
L PL.14767	PL.42826	B	4ACSR	6.57Y	109.6	0.00	16.44	0.01	0	0	0	99	0.00	0.0	7.267	0.036	0	0	0	0	1	L
L 434205	PL.14767	B	Consumer	6.57Y	109.6	0.00	16.44	0.01	0	0	0	99	0.00	0.0	7.267	0.000	0	0	1	1	1	L
L 434227	PL.42818	B	Consumer	6.57Y	109.6	0.00	16.44	0.26	0	2	0	99	0.00	0.0	7.016	0.000	2	0	1	1	1	L
L 434266	PL.42818	B	Consumer	6.57Y	109.6	0.00	16.44	1.67	0	11	1	99	0.00	0.0	7.016	0.000	11	1	1	1	1	L

Unbalanced Voltage Drop Report
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Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element-----		Cons On	Cons Thru			
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss		% Loss	Length (mi)			KW	KVAR	
L 484918	PL.45444	A	Consumer	7.00Y	116.6	0.00	9.36	0.68	0	5	0	99	0.00	0.0	6.884	0.000	5	0	1	1	L
L 484935	PL.42799	B	Consumer	6.58Y	109.7	0.00	16.26	0.00	0	0	0	100	0.00	0.0	6.641	0.000	0	0	1	1	L
L PL.42780	PL.20644	B	2ACSR	6.59Y	109.9	0.00	16.10	1.46	1	10	1	99	0.00	0.0	6.285	0.011	0	0	0	3	L
L PD.8505	PL.42780	B	fuse6AMP	6.59Y	109.9	0.00	16.10	1.46	25	10	1	99	0.00	0.0	6.285	0.000	0	0	0	3	L
L PL.42781	PD.8505	B	2ACSR	6.59Y	109.9	0.00	16.10	1.46	1	10	1	99	0.00	0.0	6.335	0.049	0	0	0	3	L
L 484904	PL.42781	B	Consumer	6.59Y	109.9	0.00	16.10	0.29	0	2	0	99	0.00	0.0	6.335	0.000	2	0	1	1	L
L 484922	PL.42781	B	Consumer	6.59Y	109.9	0.00	16.10	0.37	0	2	0	99	0.00	0.0	6.335	0.000	2	0	1	1	L
L 484915	PL.42781	B	Consumer	6.59Y	109.9	0.00	16.10	0.80	0	5	1	99	0.00	0.0	6.335	0.000	5	1	1	1	L
L 484945	PL.20643	B	Consumer	6.60Y	110.0	0.00	16.03	0.93	0	6	1	99	0.00	0.0	6.141	0.000	6	1	1	1	L
L 484925	PL.20643	B	Consumer	6.60Y	110.0	0.00	16.03	0.70	0	5	0	99	0.00	0.0	6.141	0.000	5	0	1	1	L
L 484965	PL.20642	B	Consumer	6.60Y	110.0	0.00	16.02	1.66	0	11	1	99	0.00	0.0	6.109	0.000	11	1	1	1	L
L 4849072	PL.39797	B	Consumer	6.60Y	110.0	0.00	15.99	1.07	0	7	1	99	0.00	0.0	6.061	0.000	7	1	1	1	L
L 4849078	PL.44223	A	Consumer	7.01Y	116.9	0.00	9.09	0.00	0	0	0	100	0.00	0.0	5.970	0.000	0	0	0	0	L
L 4849079	PL.44223	A	Consumer	7.01Y	116.9	0.00	9.09	0.00	0	0	0	100	0.00	0.0	5.970	0.000	0	0	0	0	L
4849077	PL.43775	C	Consumer	7.17Y	119.5	0.00	6.51	0.00	0	0	0	100	0.00	0.0	5.897	0.000	0	0	0	0	
L PL.24962	PL.12078	A	4ACSR	7.02Y	117.0	-0.00	9.01	0.00	0	0	0	100	0.00	0.0	5.864	0.112	0	0	0	0	L
L		B		6.61Y	110.2	0.01	15.82	1.54	1	10	1	99			0	0	0	0	2	L	
		C		7.17Y	119.5	0.01	6.53	1.49	1	11	1	99			0	0	0	0	2		
L PL.11593	PL.24962	A	4ACSR	7.02Y	117.0	-0.00	9.01	0.00	0	0	0	100	0.00	0.0	5.930	0.066	0	0	0	0	L
L		B		6.61Y	110.2	0.00	15.82	0.54	0	4	0	99			0	0	0	0	1	L	
		C		7.17Y	119.5	0.00	6.53	1.49	1	11	1	99			0	0	0	0	2		
L PL.12311	PL.11593	A	4ACSR	7.02Y	117.0	-0.01	9.01	0.00	0	0	0	100	0.00	0.0	6.296	0.366	0	0	0	0	L
L		B		6.61Y	110.2	0.00	15.82	0.00	0	0	0	100			0	0	0	0	0	L	
		C		7.17Y	119.4	0.02	6.55	1.49	1	11	1	99			0	0	0	0	2		
L PL.39235	PL.12311	A	4ACSR	7.02Y	117.0	0.00	9.01	0.00	0	0	0	100	0.00	0.0	6.423	0.127	0	0	0	0	L
L		B		6.61Y	110.2	0.00	15.82	0.00	0	0	0	100			0	0	0	0	0	L	
		C		7.17Y	119.4	0.00	6.55	0.00	0	0	0	100			0	0	0	0	0		
L PD.6882-B	PL.39235	A	Open	7.02Y	117.0	0.00	9.01	0.00	0	0	0	100	0.00	0.0	6.423	0.000	0	0	0	0	L
L		B		6.61Y	110.2	0.00	15.82	0.00	0	0	0	100			0	0	0	0	0	L	
		C		7.17Y	119.4	0.00	6.55	0.00	0	0	0	100			0	0	0	0	0		
485914	PL.12311	C	Consumer	7.17Y	119.4	0.00	6.55	1.25	0	9	1	99	0.00	0.0	6.296	0.000	9	1	1	1	
485913	PL.12311	C	Consumer	7.17Y	119.4	0.00	6.55	0.23	0	2	0	99	0.00	0.0	6.296	0.000	2	0	1	1	
L PL.12310	PL.11593	B	4ACSR	6.61Y	110.2	0.00	15.82	0.54	0	4	0	99	0.00	0.0	5.947	0.017	0	0	0	1	L
L PD.1651	PL.12310	B	fuse6AMP	6.61Y	110.2	0.00	15.82	0.54	9	4	0	99	0.00	0.0	5.947	0.000	0	0	0	1	L
L PL.12309	PD.1651	B	4ACSR	6.61Y	110.2	0.00	15.82	0.54	0	4	0	99	0.00	0.0	6.035	0.088	0	0	0	1	L
L 485802	PL.12309	B	Consumer	6.61Y	110.2	0.00	15.82	0.54	0	4	0	99	0.00	0.0	6.035	0.000	4	0	1	1	L
L 485909	PL.24962	B	Consumer	6.61Y	110.2	0.00	15.82	1.00	0	7	1	99	0.00	0.0	5.864	0.000	7	1	1	1	L
L PL.12076	PL.12077	A	4ACSR	7.03Y	117.2	0.00	8.78	0.00	0	0	0	100	0.00	0.0	5.622	0.013	0	0	0	0	L
L PD.1650	PL.12076	A	fuse6AMP	7.03Y	117.2	0.00	8.78	0.00	0	0	0	100	0.00	0.0	5.622	0.000	0	0	0	0	L
L PL.12075	PD.1650	A	4ACSR	7.03Y	117.2	0.00	8.78	0.00	0	0	0	100	0.00	0.0	5.688	0.066	0	0	0	0	L
L 485801	PL.12075	A	Consumer	7.03Y	117.2	0.00	8.78	0.00	0	0	0	100	0.00	0.0	5.688	0.000	0	0	0	0	L
L 484949	PL.7127	A	Consumer	7.06Y	117.6	0.00	8.38	0.80	0	6	1	99	0.00	0.0	5.369	0.000	6	1	1	1	L
L PL.12089	PL.12079	A	4ACSR	7.07Y	117.8	0.00	8.25	3.85	2	27	3	99	0.00	0.0	5.299	0.010	0	0	0	4	L

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss	
L PD.1597	PL.12089	A	fuse6AMP	7.07Y	117.8	0.00	8.25	3.85	66	27	3	99	0.00	0.0	5.299	0.000	0	0	0	4	L
L PL.12090	PD.1597	A	4ACSR	7.06Y	117.7	0.01	8.25	3.85	2	27	3	99	0.00	0.0	5.338	0.039	0	0	0	4	L
L PL.7128	PL.12090	A	4ACSR	7.06Y	117.7	0.00	8.26	2.60	1	18	2	99	0.00	0.0	5.360	0.022	0	0	0	3	L
L 484955	PL.7128	A	Consumer	7.06Y	117.7	0.00	8.26	1.65	0	12	1	99	0.00	0.0	5.360	0.000	12	1	1	1	L
L 484964	PL.7128	A	Consumer	7.06Y	117.7	0.00	8.26	0.07	0	0	0	99	0.00	0.0	5.360	0.000	0	0	1	1	L
L 484933	PL.7128	A	Consumer	7.06Y	117.7	0.00	8.26	0.89	0	6	1	99	0.00	0.0	5.360	0.000	6	1	1	1	L
L 484940	PL.12090	A	Consumer	7.06Y	117.7	0.00	8.25	1.25	0	9	1	99	0.00	0.0	5.338	0.000	9	1	1	1	L
484806	PL.12080	C	Consumer	7.19Y	119.9	0.00	6.14	0.07	0	0	0	99	0.00	0.0	5.157	0.000	0	0	1	1	
L 484812	PL.12080	B	Consumer	6.72Y	112.0	0.00	14.02	0.00	0	0	0	99	0.00	0.0	5.157	0.000	0	0	1	1	L
L PL.12091	PL.12080	B	4ACSR	6.72Y	112.0	0.01	14.02	14.02	7	94	10	99	0.00	0.0	5.165	0.009	0	0	0	13	L
L PD.1595	PL.12091	B	fuse6AMP	6.72Y	112.0	0.00	14.02	14.02	240	94	10	99	0.00	0.0	5.165	0.000	0	0	0	13	L
L PL.12092	PD.1595	B	4ACSR	6.72Y	111.9	0.05	14.07	14.02	7	94	10	99	0.04	0.0	5.242	0.077	0	0	0	13	L
L 484956	PL.12092	B	Consumer	6.72Y	111.9	0.00	14.07	0.00	0	0	0	100	0.00	0.0	5.242	0.000	0	0	1	1	L
L PL.20640	PL.12092	B	4ACSR	6.71Y	111.9	0.03	14.10	14.02	7	94	10	99	0.03	0.0	5.299	0.057	0	0	0	12	L
L PL.20641	PL.20640	B	4ACSR	6.71Y	111.9	0.04	14.14	13.06	7	87	9	99	0.03	0.0	5.365	0.066	0	0	0	10	L
L 484948	PL.20641	B	Consumer	6.71Y	111.9	0.00	14.14	2.33	0	16	2	99	0.00	0.0	5.365	0.000	16	2	1	1	L
L PL.7131	PL.20641	B	4ACSR	6.71Y	111.8	0.02	14.15	10.73	6	72	7	99	0.01	0.0	5.401	0.036	0	0	0	9	L
L PL.12093	PL.7131	B	4ACSR	6.71Y	111.8	0.01	14.16	8.52	4	57	6	99	0.00	0.0	5.428	0.027	0	0	0	6	L
L PL.12094	PL.12093	B	4ACSR	6.71Y	111.8	0.01	14.18	5.95	3	40	4	99	0.00	0.0	5.485	0.057	0	0	0	4	L
L 484954	PL.12094	B	Consumer	6.71Y	111.8	0.00	14.18	1.74	0	12	1	99	0.00	0.0	5.485	0.000	12	1	1	1	L
L 484936	PL.12094	B	Consumer	6.71Y	111.8	0.00	14.18	0.87	0	6	1	99	0.00	0.0	5.485	0.000	6	1	1	1	L
L PL.2590	PL.12094	B	4ACSR	6.71Y	111.8	0.02	14.19	3.34	2	22	2	99	0.00	0.0	5.609	0.124	0	0	0	2	L
L PL.2591	PL.2590	B	4ACSR	6.71Y	111.8	0.01	14.20	1.73	1	12	1	99	0.00	0.0	5.698	0.090	0	0	0	1	L
L 484969	PL.2591	B	Consumer	6.71Y	111.8	0.00	14.20	1.73	0	12	1	99	0.00	0.0	5.698	0.000	12	1	1	1	L
L 4849076	PL.2590	B	Consumer	6.71Y	111.8	0.00	14.19	0.00	0	0	0	100	0.00	0.0	5.609	0.000	0	0	0	0	L
L 484967	PL.2590	B	Consumer	6.71Y	111.8	0.00	14.19	1.60	0	11	1	99	0.00	0.0	5.609	0.000	11	1	1	1	L
L PL.2810	PL.12093	B	4ACSR	6.71Y	111.8	0.01	14.17	2.57	1	17	2	99	0.00	0.0	5.482	0.054	0	0	0	2	L
L 484962	PL.2810	B	Consumer	6.71Y	111.8	0.00	14.17	1.69	0	11	1	99	0.00	0.0	5.482	0.000	11	1	1	1	L
L 484959	PL.2810	B	Consumer	6.71Y	111.8	0.00	14.17	0.88	0	6	1	99	0.00	0.0	5.482	0.000	6	1	1	1	L
L 484960	PL.7131	B	Consumer	6.71Y	111.8	0.00	14.15	1.03	0	7	1	99	0.00	0.0	5.401	0.000	7	1	1	1	L
L 484957	PL.7131	B	Consumer	6.71Y	111.8	0.00	14.15	0.49	0	3	0	99	0.00	0.0	5.401	0.000	3	0	1	1	L
L PL.2823	PL.7131	B	4ACSR	6.71Y	111.8	0.00	14.15	0.70	0	5	0	99	0.00	0.0	5.480	0.080	0	0	0	1	L
L 484953	PL.2823	B	Consumer	6.71Y	111.8	0.00	14.15	0.70	0	5	0	99	0.00	0.0	5.480	0.000	5	0	1	1	L
L 484958	PL.20640	B	Consumer	6.71Y	111.9	0.00	14.10	0.03	0	0	0	99	0.00	0.0	5.299	0.000	0	0	1	1	L
L 484943	PL.20640	B	Consumer	6.71Y	111.9	0.00	14.10	0.93	0	6	1	99	0.00	0.0	5.299	0.000	6	1	1	1	L
483824	PL.27742	C	Consumer	7.23Y	120.4	0.00	5.58	0.99	0	7	1	99	0.00	0.0	4.373	0.000	7	1	1	1	
L 483813	PL.27742	B	Consumer	6.89Y	114.8	0.00	11.17	0.57	0	4	0	99	0.00	0.0	4.373	0.000	4	0	1	1	L
L 483831	PL.19247	B	Consumer	6.91Y	115.2	0.00	10.76	1.33	0	9	1	99	0.00	0.0	4.261	0.000	9	1	1	1	L

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Detail

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

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Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts -Base Voltage:120.0-							mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss			% Loss	KW			KVAR
L 483826	PL.19247	B	Consumer	6.91Y	115.2	0.00	10.76	0.00	0	0	0	99	0.00	0.0	4.261	0.000	0	0	1	1 L
PL.15791	PL.39442	C	4ACSR	7.23Y	120.5	0.00	5.45	1.93	1	14	1	99	0.00	0.0	4.250	0.022	0	0	0	2
PD.1742	PL.15791	C	fuse6AMP	7.23Y	120.5	0.00	5.45	1.93	33	14	1	99	0.00	0.0	4.250	0.000	0	0	0	2
PL.15792	PD.1742	C	4ACSR	7.23Y	120.5	0.00	5.46	1.93	1	14	1	99	0.00	0.0	4.293	0.043	0	0	0	2
4839045	PL.15792	C	Consumer	7.23Y	120.5	0.00	5.46	0.34	0	2	0	99	0.00	0.0	4.293	0.000	2	0	1	1
483925	PL.15792	C	Consumer	7.23Y	120.5	0.00	5.46	1.58	0	11	1	99	0.00	0.0	4.293	0.000	11	1	1	1
PL.18762	PL.14619	A	6ACWC	7.20Y	120.0	-0.00	6.04	0.00	0	0	0	100	0.00	0.0	4.165	0.005	0	0	0	0
L		B		6.94Y	115.6	0.00	10.38	0.00	0	0	0	100	0.00	0.0	0	0	0	0	0	L
		C		7.24Y	120.6	0.00	5.39	18.83	10	135	14	99	0.00	0.0	0	0	0	0	0	26
PL.18763	PL.18762	A	6ACWC	7.20Y	120.0	-0.02	6.01	0.00	0	0	0	100	0.09	0.1	4.270	0.104	0	0	0	0
L		B		6.94Y	115.6	0.01	10.39	0.00	0	0	0	100	0.00	0.0	0	0	0	0	0	L
		C		7.23Y	120.5	0.08	5.48	18.83	10	135	14	99	0.00	0.0	0	0	0	0	0	26
PL.14616	PL.18763	A	6ACWC	7.20Y	120.0	-0.01	6.01	0.00	0	0	0	100	0.02	0.0	4.301	0.032	0	0	0	0
L		B		6.94Y	115.6	0.00	10.40	0.00	0	0	0	100	0.00	0.0	0	0	0	0	0	L
		C		7.23Y	120.5	0.02	5.50	17.46	9	126	13	99	0.00	0.0	0	0	0	0	0	23
PL.39471	PL.14616	C	4ACSR	7.23Y	120.5	0.00	5.50	6.01	3	43	5	99	0.00	0.0	4.307	0.006	0	0	0	8
C PD.6936	PL.39471	C	fuse6AMP	7.23Y	120.5	0.00	5.50	6.01	103	43	5	99	0.00	0.0	4.307	0.000	0	0	0	8 C
PL.39472	PD.6936	C	4ACSR	7.23Y	120.5	0.01	5.52	6.01	3	43	5	99	0.01	0.0	4.365	0.058	0	0	0	8
PL.26759	PL.39472	C	4ACSR	7.23Y	120.5	0.01	5.52	2.89	1	21	2	99	0.00	0.0	4.416	0.050	0	0	0	3
PL.2811	PL.26759	C	4ACSR	7.23Y	120.5	0.00	5.52	0.66	0	5	0	99	0.00	0.0	4.445	0.029	0	0	0	1
483940	PL.2811	C	Consumer	7.23Y	120.5	0.00	5.52	0.66	0	5	0	99	0.00	0.0	4.445	0.000	5	0	1	1
PL.2587	PL.26759	C	4ACSR	7.23Y	120.5	0.01	5.53	2.23	1	16	2	99	0.00	0.0	4.525	0.109	0	0	0	2
483924	PL.2587	C	Consumer	7.23Y	120.5	0.00	5.53	0.71	0	5	1	99	0.00	0.0	4.525	0.000	5	1	1	1
PL.40588	PL.2587	C	2ACSR	7.23Y	120.5	0.00	5.54	1.52	1	11	1	99	0.00	0.0	4.597	0.072	0	0	0	1
4839046	PL.40588	C	Consumer	7.23Y	120.5	0.00	5.54	1.52	0	11	1	99	0.00	0.0	4.597	0.000	11	1	1	1
4839048	PL.40588	C	Consumer	7.23Y	120.5	0.00	5.54	0.00	0	0	0	100	0.00	0.0	4.597	0.000	0	0	0	0
PL.2586	PL.39472	C	4ACSR	7.23Y	120.5	0.01	5.52	2.93	2	21	2	99	0.00	0.0	4.429	0.063	0	0	0	4
483942	PL.2586	C	Consumer	7.23Y	120.5	0.00	5.52	0.09	0	1	0	90	0.00	0.0	4.429	0.000	1	0	1	1
483906	PL.2586	C	Consumer	7.23Y	120.5	0.00	5.52	0.27	0	2	0	99	0.00	0.0	4.429	0.000	2	0	1	1
483926	PL.2586	C	Consumer	7.23Y	120.5	0.00	5.52	0.47	0	3	0	99	0.00	0.0	4.429	0.000	3	0	1	1
483918	PL.2586	C	Consumer	7.23Y	120.5	0.00	5.52	2.10	0	15	2	99	0.00	0.0	4.429	0.000	15	2	1	1
483907	PL.39472	C	Consumer	7.23Y	120.5	0.00	5.52	0.20	0	1	0	99	0.00	0.0	4.365	0.000	1	0	1	1
483929	PL.14616	C	Consumer	7.23Y	120.5	0.00	5.50	1.21	0	9	1	99	0.00	0.0	4.301	0.000	9	1	1	1
PL.26755	PL.14616	A	6ACWC	7.20Y	120.0	-0.01	6.00	0.00	0	0	0	100	0.02	0.0	4.388	0.087	0	0	0	0
L		B		6.94Y	115.6	0.01	10.40	0.00	0	0	0	100	0.00	0.0	0	0	0	0	0	L
		C		7.23Y	120.5	0.04	5.54	10.24	5	74	8	99	0.00	0.0	0	0	0	0	0	14
PL.26761	PL.26755	A	6ACWC	7.20Y	120.0	-0.02	5.98	0.00	0	0	0	100	0.04	0.1	4.577	0.188	0	0	0	0
L		B		6.93Y	115.6	0.01	10.42	0.00	0	0	0	100	0.00	0.0	0	0	0	0	0	L
		C		7.22Y	120.4	0.07	5.61	9.22	5	66	7	99	0.00	0.0	0	0	0	0	0	13
PL.26762	PL.26761	A	6ACWC	7.20Y	120.0	-0.01	5.97	0.00	0	0	0	100	0.01	0.0	4.627	0.051	0	0	0	0
L		B		6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	0	0	0	0	0	L
		C		7.22Y	120.4	0.02	5.63	8.91	5	64	7	99	0.00	0.0	0	0	0	0	0	12
L PL.39475	PL.26762	B	4ACSR	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	4.634	0.007	0	0	0	L
L PD.6939-A	PL.39475	B	Closed	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	4.634	0.000	0	0	0	L

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\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element-----		Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss		% Loss	Length (mi)			KW	KVAR
L PD.6939-B	PD.6939-A	B	Closed	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	4.634	0.000	0	0	0	L
L PL.39476	PD.6939-B	B	4ACSR	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	4.961	0.327	0	0	0	L
L PL.2805	PL.39476	B	4ACSR	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	5.047	0.086	0	0	0	L
L 483902	PL.2805	B	Consumer	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	5.047	0.000	0	0	0	L
L PL.19907	PL.39476	B	4ACSR	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	5.061	0.100	0	0	0	L
L PL.19908	PL.19907	B	4ACSR	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	5.124	0.063	0	0	0	L
L PD.444-B	PL.19908	B	Open	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	5.124	0.000	0	0	0	L
PL.39477	PL.26762	C	4ACSR	7.22Y	120.4	0.00	5.63	8.91	5	64	7	99	0.00	0.0	4.635	0.007	0	0	0	12
PD.6940-A	PL.39477	C	Closed	7.22Y	120.4	0.00	5.63	8.91	0	64	7	99	0.00	0.0	4.635	0.000	0	0	0	12
PD.6940-B	PD.6940-A	C	Closed	7.22Y	120.4	0.00	5.63	8.91	0	64	7	99	0.00	0.0	4.635	0.000	0	0	0	12
PL.39478	PD.6940-B	C	4ACSR	7.22Y	120.3	0.05	5.69	8.91	5	64	7	99	0.03	0.0	4.781	0.146	0	0	0	12
PL.14329	PL.39478	C	4ACSR	7.22Y	120.3	0.02	5.71	8.14	4	58	6	99	0.01	0.0	4.851	0.070	0	0	0	10
PL.14330	PL.14329	C	4ACSR	7.22Y	120.3	0.02	5.73	8.12	4	58	6	99	0.01	0.0	4.908	0.057	0	0	0	9
PL.14331	PL.14330	C	4ACSR	7.21Y	120.2	0.02	5.75	6.58	3	47	5	99	0.01	0.0	4.984	0.076	0	0	0	8
PL.14332	PL.14331	C	4ACSR	7.21Y	120.2	0.03	5.78	5.90	3	42	4	99	0.01	0.0	5.090	0.106	0	0	0	6
PD.445-A	PL.14332	C	Closed	7.21Y	120.2	0.00	5.78	5.90	0	42	4	99	0.00	0.0	5.090	0.000	0	0	0	6
PD.445-B	PD.445-A	C	Closed	7.21Y	120.2	0.00	5.78	5.90	0	42	4	99	0.00	0.0	5.090	0.000	0	0	0	6
PL.12103	PD.445-B	C	4ACSR	7.21Y	120.2	0.02	5.80	5.90	3	42	4	99	0.01	0.0	5.186	0.096	0	0	0	6
PL.39414	PL.12103	C	4ACSR	7.21Y	120.2	0.00	5.80	2.61	1	19	2	99	0.00	0.0	5.191	0.005	0	0	0	2
PD.7100	PL.39414	C	fuse6AMP	7.21Y	120.2	0.00	5.80	2.61	45	19	2	99	0.00	0.0	5.191	0.000	0	0	0	2
PL.39415	PD.7100	C	4ACSR	7.21Y	120.2	0.01	5.81	2.61	1	19	2	99	0.00	0.0	5.256	0.065	0	0	0	2
483919	PL.39415	C	Consumer	7.21Y	120.2	0.00	5.81	2.12	0	15	2	99	0.00	0.0	5.256	0.000	15	2	1	1
483920	PL.39415	C	Consumer	7.21Y	120.2	0.00	5.81	0.49	0	4	0	99	0.00	0.0	5.256	0.000	4	0	1	1
PL.12102	PL.12103	C	4ACSR	7.21Y	120.2	0.01	5.82	3.29	2	24	2	99	0.00	0.0	5.288	0.102	0	0	0	4
PL.7137	PL.12102	C	4ACSR	7.21Y	120.2	0.00	5.82	1.25	1	9	1	99	0.00	0.0	5.310	0.022	0	0	0	2
PL.7136	PL.7137	C	4ACSR	7.21Y	120.2	0.00	5.82	1.25	1	9	1	99	0.00	0.0	5.370	0.060	0	0	0	2
PL.40550	PL.7136	C	4ACSR	7.21Y	120.2	0.00	5.82	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	7.21Y	120.2	0.00	5.82	0.00	0	0	0	100	0.00	0.0	5.391	0.000	0	0	0	0
483923	PL.7136	C	Consumer	7.21Y	120.2	0.00	5.82	0.43	0	3	0	99	0.00	0.0	5.370	0.000	3	0	1	1
PL.39416	PL.7136	C	4ACSR	7.21Y	120.2	0.00	5.82	0.81	0	6	1	99	0.00	0.0	5.376	0.006	0	0	0	1
PD.7101	PL.39416	C	fuse6AMP	7.21Y	120.2	0.00	5.82	0.81	14	6	1	99	0.00	0.0	5.376	0.000	0	0	0	1
PL.39417	PD.7101	C	4ACSR	7.21Y	120.2	0.00	5.82	0.81	0	6	1	99	0.00	0.0	5.431	0.055	0	0	0	1
483928	PL.39417	C	Consumer	7.21Y	120.2	0.00	5.82	0.81	0	6	1	99	0.00	0.0	5.431	0.000	6	1	1	1
483937	PL.12102	C	Consumer	7.21Y	120.2	0.00	5.82	1.37	0	10	1	99	0.00	0.0	5.288	0.000	10	1	1	1
483936	PL.12102	C	Consumer	7.21Y	120.2	0.00	5.82	0.67	0	5	0	99	0.00	0.0	5.288	0.000	5	0	1	1
PL.39485	PL.14331	C	4ACSR	7.21Y	120.2	0.00	5.75	0.68	0	5	1	99	0.00	0.0	4.989	0.005	0	0	0	2
PD.6944	PL.39485	C	fuse6AMP	7.21Y	120.2	0.00	5.75	0.68	12	5	1	99	0.00	0.0	4.989	0.000	0	0	0	2
PL.39486	PD.6944	C	4ACSR	7.21Y	120.2	0.00	5.75	0.68	0	5	1	99	0.00	0.0	5.027	0.038	0	0	0	2

Unbalanced Voltage Drop Report
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Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element-----		Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss		% Loss	Length (mi)			KW	KVAR
483939	PL.39486	C	Consumer	7.21Y	120.2	0.00	5.75	0.68	0	5	1	99	0.00	0.0	5.027	0.000	5	1	1	1
PL.7144	PL.39486	C	4ACSR	7.21Y	120.2	0.00	5.75	0.00	0	0	0	99	0.00	0.0	5.060	0.033	0	0	0	1
483938	PL.7144	C	Consumer	7.21Y	120.2	0.00	5.75	0.00	0	0	0	100	0.00	0.0	5.060	0.000	0	0	0	0
483932	PL.7144	C	Consumer	7.21Y	120.2	0.00	5.75	0.00	0	0	0	99	0.00	0.0	5.060	0.000	0	0	1	1
PL.39483	PL.14330	C	4ACSR	7.22Y	120.3	0.00	5.73	1.54	1	11	1	99	0.00	0.0	4.912	0.004	0	0	0	1
PD.6943	PL.39483	C	fuse6AMP	7.22Y	120.3	0.00	5.73	1.54	26	11	1	99	0.00	0.0	4.912	0.000	0	0	0	1
PL.39484	PD.6943	C	4ACSR	7.22Y	120.3	0.00	5.74	1.54	1	11	1	99	0.00	0.0	4.963	0.051	0	0	0	1
483912	PL.39484	C	Consumer	7.22Y	120.3	0.00	5.74	1.54	0	11	1	99	0.00	0.0	4.963	0.000	11	1	1	1
PL.39481	PL.14329	C	4ACSR	7.22Y	120.3	0.00	5.71	0.03	0	0	0	99	0.00	0.0	4.854	0.003	0	0	0	1
PD.6942	PL.39481	C	fuse6AMP	7.22Y	120.3	0.00	5.71	0.03	0	0	0	99	0.00	0.0	4.854	0.000	0	0	0	1
PL.39482	PD.6942	C	4ACSR	7.22Y	120.3	0.00	5.71	0.03	0	0	0	99	0.00	0.0	4.928	0.073	0	0	0	1
483941	PL.39482	C	Consumer	7.22Y	120.3	0.00	5.71	0.03	0	0	0	99	0.00	0.0	4.928	0.000	0	0	1	1
PL.39479	PL.39478	C	4ACSR	7.22Y	120.3	0.00	5.69	0.77	0	6	1	99	0.00	0.0	4.787	0.007	0	0	0	2
PD.6941	PL.39479	C	fuse6AMP	7.22Y	120.3	0.00	5.69	0.77	13	6	1	99	0.00	0.0	4.787	0.000	0	0	0	2
PL.39480	PD.6941	C	4ACSR	7.22Y	120.3	0.00	5.69	0.77	0	6	1	99	0.00	0.0	4.937	0.149	0	0	0	2
483933	PL.39480	C	Consumer	7.22Y	120.3	0.00	5.69	0.16	0	1	0	99	0.00	0.0	4.937	0.000	1	0	1	1
483910	PL.39480	C	Consumer	7.22Y	120.3	0.00	5.69	0.62	0	4	0	99	0.00	0.0	4.937	0.000	4	0	1	1
PL.39473	PL.26761	C	4ACSR	7.22Y	120.4	0.00	5.61	0.31	0	2	0	99	0.00	0.0	4.586	0.009	0	0	0	1
PD.6938	PL.39473	C	fuse6AMP	7.22Y	120.4	0.00	5.61	0.31	5	2	0	99	0.00	0.0	4.586	0.000	0	0	0	1
PL.39474	PD.6938	C	4ACSR	7.22Y	120.4	0.00	5.61	0.31	0	2	0	99	0.00	0.0	4.692	0.106	0	0	0	1
483909	PL.39474	C	Consumer	7.22Y	120.4	0.00	5.61	0.31	0	2	0	99	0.00	0.0	4.692	0.000	2	0	1	1
PL.26757	PL.26755	C	4ACSR	7.23Y	120.5	0.00	5.54	1.01	1	7	1	99	0.00	0.0	4.397	0.009	0	0	0	1
PD.6937	PL.26757	C	fuse6AMP	7.23Y	120.5	0.00	5.54	1.01	17	7	1	99	0.00	0.0	4.397	0.000	0	0	0	1
PL.7139	PD.6937	C	4ACSR	7.23Y	120.5	0.00	5.54	1.01	1	7	1	99	0.00	0.0	4.486	0.089	0	0	0	1
483934	PL.7139	C	Consumer	7.23Y	120.5	0.00	5.54	1.01	0	7	1	99	0.00	0.0	4.486	0.000	7	1	1	1
483921	PL.7139	C	Consumer	7.23Y	120.5	0.00	5.54	0.00	0	0	0	100	0.00	0.0	4.486	0.000	0	0	0	0
L PL.26756	PL.26755	B	4ACSR	6.94Y	115.6	0.00	10.40	0.00	0	0	0	100	0.00	0.0	4.388	0.000	0	0	0	0 L
483903	PL.18763	C	Consumer	7.23Y	120.5	0.00	5.48	0.00	0	0	0	100	0.00	0.0	4.270	0.000	0	0	0	0
483916	PL.18763	C	Consumer	7.23Y	120.5	0.00	5.48	0.00	0	0	0	100	0.00	0.0	4.270	0.000	0	0	1	1
PL.39469	PL.18763	C	4ACSR	7.23Y	120.5	0.00	5.48	1.37	1	10	1	99	0.00	0.0	4.278	0.009	0	0	0	2
PD.6935	PL.39469	C	fuse6AMP	7.23Y	120.5	0.00	5.48	1.37	23	10	1	99	0.00	0.0	4.278	0.000	0	0	0	2
PL.39470	PD.6935	C	4ACSR	7.23Y	120.5	0.01	5.48	1.37	1	10	1	99	0.00	0.0	4.370	0.092	0	0	0	2
483935	PL.39470	C	Consumer	7.23Y	120.5	0.00	5.48	0.00	0	0	0	99	0.00	0.0	4.370	0.000	0	0	1	1
483815	PL.39470	C	Consumer	7.23Y	120.5	0.00	5.48	1.37	0	10	1	99	0.00	0.0	4.370	0.000	10	1	1	1
483811	PL.14619	C	Consumer	7.24Y	120.6	0.00	5.39	0.30	0	2	1	90	0.00	0.0	4.160	0.000	2	1	1	1
483812	PL.14619	C	Consumer	7.24Y	120.6	0.00	5.39	0.76	0	5	1	99	0.00	0.0	4.160	0.000	5	1	1	1
PL.39462	PL.14618	A	4ACSR	7.21Y	120.1	0.00	5.85	2.63	1	19	2	99	0.00	0.0	4.056	0.003	0	0	0	3
PD.6933	PL.39462	A	fuse6AMP	7.21Y	120.1	0.00	5.85	2.63	45	19	2	99	0.00	0.0	4.056	0.000	0	0	0	3

Unbalanced Voltage Drop Report
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Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss
PL.39465	PD.6933	A	4ACSR	7.21Y	120.1	0.00	5.85	2.63	1	19	2	99	0.00	0.0	4.058	0.002	0	0	0	3
PL.39466	PL.39465	A	4ACSR	7.21Y	120.1	0.00	5.86	0.92	0	7	1	99	0.00	0.0	4.168	0.110	0	0	0	1
483830	PL.39466	A	Consumer	7.21Y	120.1	0.00	5.86	0.92	0	7	1	99	0.00	0.0	4.168	0.000	7	1	1	1
PL.39464	PL.39465	A	4ACSR	7.21Y	120.1	0.00	5.86	1.70	1	12	1	99	0.00	0.0	4.093	0.035	0	0	0	2
483822	PL.39464	A	Consumer	7.21Y	120.1	0.00	5.86	0.01	0	0	0	99	0.00	0.0	4.093	0.000	0	0	1	1
483823	PL.39464	A	Consumer	7.21Y	120.1	0.00	5.86	1.69	0	12	1	99	0.00	0.0	4.093	0.000	12	1	1	1
L PL.18193	PL.14617	B	4ACSR	6.98Y	116.3	0.00	9.66	1.43	1	10	1	99	0.00	0.0	3.990	0.016	0	0	0	1 L
L PD.1741	PL.18193	B	fuse6AMP	6.98Y	116.3	0.00	9.66	1.43	24	10	1	99	0.00	0.0	3.990	0.000	0	0	0	1 L
L PL.18194	PD.1741	B	4ACSR	6.98Y	116.3	0.01	9.67	1.43	1	10	1	99	0.00	0.0	4.078	0.088	0	0	0	1 L
L 483814	PL.18194	B	Consumer	6.98Y	116.3	0.00	9.67	1.43	0	10	1	99	0.00	0.0	4.078	0.000	10	1	1	1 L
L 483806	PL.14608	B	Consumer	7.05Y	117.5	0.00	8.49	0.91	0	6	1	99	0.00	0.0	3.674	0.000	6	1	1	1 L
L 483819	PL.14606	B	Consumer	7.06Y	117.7	0.00	8.28	1.69	0	12	1	99	0.00	0.0	3.622	0.000	12	1	1	1 L
L 483825	PL.14606	B	Consumer	7.06Y	117.7	0.00	8.28	0.10	0	1	0	99	0.00	0.0	3.622	0.000	1	0	1	1 L
L 483829	PL.14606	B	Consumer	7.06Y	117.7	0.00	8.28	2.06	0	14	2	99	0.00	0.0	3.622	0.000	14	2	1	1 L
PL.15785	PL.14606	A	4ACSR	7.26Y	121.0	0.00	5.04	1.01	1	7	1	99	0.00	0.0	3.654	0.031	0	0	0	3
PD.1740	PL.15785	A	fuse6AMP	7.26Y	121.0	0.00	5.04	1.01	17	7	1	99	0.00	0.0	3.654	0.000	0	0	0	3
PL.15786	PD.1740	A	4ACSR	7.26Y	121.0	0.00	5.04	1.01	1	7	1	99	0.00	0.0	3.738	0.085	0	0	0	3
PL.2807	PL.15786	A	4ACSR	7.26Y	120.9	0.01	5.06	1.01	1	7	1	99	0.00	0.0	4.049	0.311	0	0	0	3
483802	PL.2807	A	Consumer	7.26Y	120.9	0.00	5.06	0.98	0	7	1	99	0.00	0.0	4.049	0.000	7	1	1	1
PL.7145	PL.2807	A	4ACSR	7.26Y	120.9	0.00	5.06	0.03	0	0	0	99	0.00	0.0	4.151	0.102	0	0	0	2
483834	PL.7145	A	Consumer	7.26Y	120.9	0.00	5.06	0.01	0	0	0	99	0.00	0.0	4.151	0.000	0	0	1	1
PL.7146	PL.7145	A	4ACSR	7.26Y	120.9	0.00	5.06	0.02	0	0	0	99	0.00	0.0	4.227	0.075	0	0	0	1
484816	PL.7146	A	Consumer	7.26Y	120.9	0.00	5.06	0.02	0	0	0	99	0.00	0.0	4.227	0.000	0	0	1	1
PL.15787	PL.7140	A	4ACSR	7.29Y	121.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	3.339	0.017	0	0	0	1
PD.1739	PL.15787	A	fuse6AMP	7.29Y	121.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	3.339	0.000	0	0	0	1
PL.15788	PD.1739	A	4ACSR	7.29Y	121.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	3.765	0.426	0	0	0	1
PL.3236	PL.15788	A	4ACSR	7.29Y	121.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	3.947	0.182	0	0	0	1
PL.3185	PL.3236	A	4ACSR	7.29Y	121.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	4.009	0.062	0	0	0	1
483711	PL.3185	A	Consumer	7.29Y	121.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	4.009	0.000	0	0	1	1
483803	PL.7140	B	Consumer	7.14Y	118.9	0.00	7.05	0.24	0	2	0	99	0.00	0.0	3.322	0.000	2	0	1	1
PL.14626	PL.39459	B	4ACSR	7.26Y	121.1	0.00	4.92	1.00	1	7	1	99	0.00	0.0	2.816	0.011	0	0	0	1
PD.1728	PL.14626	B	fuse6AMP	7.26Y	121.1	0.00	4.92	1.00	17	7	1	99	0.00	0.0	2.816	0.000	0	0	0	1
PL.27791	PD.1728	B	4ACSR	7.26Y	121.1	0.00	4.93	1.00	1	7	1	99	0.00	0.0	2.891	0.075	0	0	0	1
483710	PL.27791	B	Consumer	7.26Y	121.1	0.00	4.93	1.00	0	7	1	99	0.00	0.0	2.891	0.000	7	1	1	1
PL.39460	PL.11924	A	4ACSR	7.38Y	123.0	0.00	3.05	0.04	0	0	0	99	0.00	0.0	2.659	0.006	0	0	0	1
PD.6932	PL.39460	A	fuse6AMP	7.38Y	123.0	0.00	3.05	0.04	1	0	0	99	0.00	0.0	2.659	0.000	0	0	0	1
PL.39461	PD.6932	A	4ACSR	7.38Y	123.0	0.00	3.05	0.04	0	0	0	99	0.00	0.0	2.686	0.026	0	0	0	1
483753	PL.39461	A	Consumer	7.38Y	123.0	0.00	3.05	0.04	0	0	0	99	0.00	0.0	2.686	0.000	0	0	1	1

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	% PF	kW Loss	% Loss							
483706	PL.11923	B	Consumer	7.34Y	122.3	0.00	3.73	0.85	0	6	1	99	0.00	0.0	2.518	0.000	6	1	1	1
PL.28757	PL.11922	A	4ACSR	7.40Y	123.4	0.01	2.65	1.99	1	15	2	99	0.00	0.0	2.512	0.061	0	0	0	2
PL.28758	PL.28757	A	4ACSR	7.40Y	123.4	0.00	2.65	1.99	1	15	2	99	0.00	0.0	2.512	0.000	0	0	0	2
483746	PL.28758	A	Consumer	7.40Y	123.4	0.00	2.65	1.57	0	12	1	99	0.00	0.0	2.512	0.000	12	1	1	1
PL.7122	PL.28758	A	4ACSR	7.40Y	123.4	0.00	2.65	0.41	0	3	0	99	0.00	0.0	2.638	0.126	0	0	0	1
483740	PL.7122	A	Consumer	7.40Y	123.4	0.00	2.65	0.41	0	3	0	99	0.00	0.0	2.638	0.000	3	0	1	1
483729	PL.19743	A	Consumer	7.40Y	123.4	0.00	2.62	1.28	0	9	1	99	0.00	0.0	2.444	0.000	9	1	1	1
483718	PL.11921	B	Consumer	7.37Y	122.8	0.00	3.18	1.30	0	10	1	99	0.00	0.0	2.389	0.000	10	1	1	1
PL.11912	PL.39271	C	4ACSR	7.45Y	124.2	0.00	1.85	1.72	1	13	1	99	0.00	0.0	2.256	0.011	0	0	0	1
PL.18281	PL.11912	C	4ACSR	7.45Y	124.2	0.00	1.85	1.72	1	13	1	99	0.00	0.0	2.264	0.009	0	0	0	1
PD.1725	PL.18281	C	fuse6AMP	7.45Y	124.2	0.00	1.85	1.72	29	13	1	99	0.00	0.0	2.264	0.000	0	0	0	1
PL.18282	PD.1725	C	4ACSR	7.45Y	124.1	0.00	1.85	1.72	1	13	1	99	0.00	0.0	2.289	0.025	0	0	0	1
PL.2663	PL.18282	C	4ACSR	7.45Y	124.1	0.00	1.86	1.72	1	13	1	99	0.00	0.0	2.350	0.061	0	0	0	1
482710	PL.2663	C	Consumer	7.45Y	124.1	0.00	1.86	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	1.86	1.72	1	13	1	99	0.00	0.0	2.436	0.086	0	0	0	1
482722	PL.24129	C	Consumer	7.45Y	124.1	0.00	1.86	1.72	0	13	1	99	0.00	0.0	2.436	0.000	13	1	1	1
483732	PL.18278	C	Consumer	7.48Y	124.7	0.00	1.29	1.33	0	10	1	99	0.00	0.0	2.032	0.000	10	1	1	1
PL.18279	PL.18278	B	4ACSR	7.46Y	124.3	0.00	1.67	1.06	1	8	1	99	0.00	0.0	2.044	0.012	0	0	0	2
PD.1730-A	PL.18279	B	Closed	7.46Y	124.3	0.00	1.67	1.06	0	8	1	99	0.00	0.0	2.044	0.000	0	0	0	2
PD.1730-B	PD.1730-A	B	Closed	7.46Y	124.3	0.00	1.67	1.06	0	8	1	99	0.00	0.0	2.044	0.000	0	0	0	2
PL.18280	PD.1730-B	B	4ACSR	7.46Y	124.3	0.00	1.68	1.06	1	8	1	99	0.00	0.0	2.138	0.094	0	0	0	2
483750	PL.18280	B	Consumer	7.46Y	124.3	0.00	1.68	1.06	0	8	1	99	0.00	0.0	2.138	0.000	8	1	1	1
483730	PL.18280	B	Consumer	7.46Y	124.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	2.138	0.000	0	0	1	1
482708	PL.43094	C	Consumer	7.49Y	124.8	0.00	1.19	0.44	0	3	0	99	0.00	0.0	1.968	0.000	3	0	1	1
PL.43083	PL.43087	C	2ACSR	7.49Y	124.8	0.00	1.16	0.73	0	5	1	99	0.00	0.0	1.854	0.005	0	0	0	1
PD.8573	PL.43083	C	fuse6AMP	7.49Y	124.8	0.00	1.16	0.73	13	5	1	99	0.00	0.0	1.854	0.000	0	0	0	1
PL.43084	PD.8573	C	2ACSR	7.49Y	124.8	0.00	1.16	0.73	0	5	1	99	0.00	0.0	1.921	0.067	0	0	0	1
482724	PL.43084	C	Consumer	7.49Y	124.8	0.00	1.16	0.73	0	5	1	99	0.00	0.0	1.921	0.000	5	1	1	1
PL.43088	PL.43086	A	336ACSR	7.48Y	124.6	-0.00	1.41	0.01	0	0	0	99	0.00	0.0	1.802	0.005	0	0	0	1
PD.1703	PL.43088	A	fuse6AMP	7.48Y	124.6	0.00	1.41	0.01	0	0	0	99	0.00	0.0	1.802	0.000	0	0	0	1
PL.43089	PD.1703	A	336ACSR	7.48Y	124.6	-0.00	1.41	0.01	0	0	0	99	0.00	0.0	1.864	0.062	0	0	0	1
482719	PL.43089	A	Consumer	7.48Y	124.6	0.00	1.41	0.01	0	0	0	99	0.00	0.0	1.864	0.000	0	0	1	1
482704	PL.43064	B	Consumer	7.48Y	124.7	0.00	1.26	0.38	0	3	0	99	0.00	0.0	1.656	0.000	3	0	1	1
PL.43068	PL.43064	A	2ACSR	7.48Y	124.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	1.662	0.005	0	0	0	0
PD.8570	PL.43068	A	fuse6AMP	7.48Y	124.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	1.662	0.000	0	0	0	0
PL.43069	PD.8570	A	2ACSR	7.48Y	124.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	1.732	0.070	0	0	0	0
PL.43066	PL.43061	C	2ACSR	7.50Y	125.0	0.00	1.03	1.71	1	13	1	99	0.00	0.0	1.499	0.004	0	0	0	1
PD.8569	PL.43066	C	fuse6AMP	7.50Y	125.0	0.00	1.03	1.71	29	13	1	99	0.00	0.0	1.499	0.000	0	0	0	1

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts -Base Voltage:120.0-							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	% PF	kW Loss	% Loss							
PL.43067	PD.8569	C	2ACSR	7.50Y	125.0	0.00	1.03	1.71	1	13	1	99	0.00	0.0	1.562	0.063	0	0	0	1
482716	PL.43067	C	Consumer	7.50Y	125.0	0.00	1.03	1.71	0	13	1	99	0.00	0.0	1.562	0.000	13	1	1	1
PL.43056	PL.43053	A	2ACSR	7.49Y	124.8	0.00	1.20	0.20	0	1	0	99	0.00	0.0	1.469	0.005	0	0	0	1
PD.1701	PL.43056	A	fuse6AMP	7.49Y	124.8	0.00	1.20	0.20	3	1	0	99	0.00	0.0	1.469	0.000	0	0	0	1
PL.43057	PD.1701	A	2ACSR	7.49Y	124.8	0.00	1.20	0.20	0	1	0	99	0.00	0.0	1.625	0.156	0	0	0	1
482606	PL.43057	A	Consumer	7.49Y	124.8	0.00	1.20	0.20	0	1	0	99	0.00	0.0	1.625	0.000	1	0	1	1
PL.43058	PL.43053	C	2ACSR	7.50Y	125.0	0.00	1.01	2.66	1	20	2	99	0.00	0.0	1.469	0.005	0	0	0	4
PD.8568	PL.43058	C	fuse6AMP	7.50Y	125.0	0.00	1.01	2.66	45	20	2	99	0.00	0.0	1.469	0.000	0	0	0	4
PL.43059	PD.8568	C	2ACSR	7.50Y	125.0	0.01	1.02	2.66	1	20	2	99	0.00	0.0	1.547	0.078	0	0	0	4
PL.11872	PL.43059	C	4ACSR	7.50Y	125.0	0.00	1.02	2.64	1	20	2	99	0.00	0.0	1.563	0.016	0	0	0	3
PL.11873	PL.11872	C	4ACSR	7.50Y	125.0	0.01	1.03	2.64	1	20	2	99	0.00	0.0	1.677	0.114	0	0	0	3
PL.2869	PL.11873	C	4ACSR	7.50Y	125.0	0.01	1.04	2.64	1	20	2	99	0.00	0.0	1.753	0.076	0	0	0	2
482727	PL.2869	C	Consumer	7.50Y	125.0	0.00	1.04	1.07	0	8	1	99	0.00	0.0	1.753	0.000	8	1	1	1
482730	PL.2869	C	Consumer	7.50Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	1.753	0.000	0	0	0	0
482717	PL.2869	C	Consumer	7.50Y	125.0	0.00	1.04	1.57	0	12	1	99	0.00	0.0	1.753	0.000	12	1	1	1
PL.2870	PL.11873	C	4ACSR	7.50Y	125.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	1.751	0.074	0	0	0	1
482715	PL.2870	C	Consumer	7.50Y	125.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	1.751	0.000	0	0	1	1
482702	PL.43059	C	Consumer	7.50Y	125.0	0.00	1.02	0.02	0	0	0	99	0.00	0.0	1.547	0.000	0	0	1	1
482701	PL.45774	B	Consumer	7.50Y	125.0	0.00	1.02	0.26	0	2	0	99	0.00	0.0	1.293	0.000	2	0	1	1
482714	PL.43047	B	Consumer	7.50Y	125.0	0.00	1.02	1.49	0	11	1	99	0.00	0.0	1.291	0.000	11	1	1	1
PL.43049	PL.43047	A	2ACSR	7.50Y	124.9	0.00	1.08	3.73	1	28	3	99	0.00	0.0	1.295	0.005	0	0	0	4
PD.1704	PL.43049	A	fuse6AMP	7.50Y	124.9	0.00	1.08	3.73	64	28	3	99	0.00	0.0	1.295	0.000	0	0	0	4
PL.43048	PD.1704	A	2ACSR	7.49Y	124.9	0.00	1.08	3.73	1	28	3	99	0.00	0.0	1.323	0.028	0	0	0	4
482626	PL.43048	A	Consumer	7.49Y	124.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	1.323	0.000	0	0	1	1
482627	PL.43048	A	Consumer	7.49Y	124.9	0.00	1.08	1.27	0	9	1	99	0.00	0.0	1.323	0.000	9	1	1	1
PL.24130	PL.43048	A	4ACSR	7.49Y	124.9	0.00	1.09	2.46	1	18	2	99	0.00	0.0	1.367	0.045	0	0	0	2
482631	PL.24130	A	Consumer	7.49Y	124.9	0.00	1.09	2.02	0	15	2	99	0.00	0.0	1.367	0.000	15	2	1	1
482628	PL.24130	A	Consumer	7.49Y	124.9	0.00	1.09	0.44	0	3	0	99	0.00	0.0	1.367	0.000	3	0	1	1
482621	PL.43031	C	Consumer	7.51Y	125.1	0.00	0.91	1.24	0	9	1	99	0.00	0.0	1.250	0.000	9	1	1	1
PL.43027	PL.43024	A	336ACSR	7.50Y	125.0	0.00	0.98	0.80	0	6	1	99	0.00	0.0	1.157	0.004	0	0	0	1
PD.8564	PL.43027	A	fuse6AMP	7.50Y	125.0	0.00	0.98	0.80	14	6	1	99	0.00	0.0	1.157	0.000	0	0	0	1
PL.43028	PD.8564	A	336ACSR	7.50Y	125.0	0.00	0.98	0.80	0	6	1	99	0.00	0.0	1.205	0.048	0	0	0	1
PL.7054	PL.43028	A	4ACSR	7.50Y	125.0	0.01	0.99	0.80	0	6	1	99	0.00	0.0	1.574	0.368	0	0	0	1
PL.2867	PL.7054	A	4ACSR	7.50Y	125.0	0.00	1.00	0.80	0	6	1	99	0.00	0.0	1.633	0.059	0	0	0	1
482619	PL.2867	A	Consumer	7.50Y	125.0	0.00	1.00	0.80	0	6	1	99	0.00	0.0	1.633	0.000	6	1	1	1
482618	PL.43024	B	Consumer	7.50Y	125.1	0.00	0.93	0.09	0	1	0	99	0.00	0.0	1.153	0.000	1	0	1	1
PL.43023	PL.43024	C	2ACSR	7.51Y	125.1	0.00	0.87	3.11	1	23	2	100	0.00	0.0	1.173	0.019	0	0	0	4
PL.33943	PL.43023	C	2ACSR	7.51Y	125.1	0.01	0.87	3.11	1	23	2	100	0.00	0.0	1.229	0.057	0	0	0	4

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 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.43034, PL.43035, 4826038, etc.

----- Feeder No. 1 (SIDEVIEW1) Beginning with Device PD.3907 -----

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Units Displayed In Volts																				
-Base Voltage:120.0-																				
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	
PD.3907	PL.32892	A	VWVE	15.10Y	125.8	0.00	0.20	56.54	0	847	108	99	0.00	0.0	0.020	0.000	0	0	0	162
		B		15.11Y	125.9	0.00	0.11	36.72	0	552	53	100					0	0	0	128
		C		15.09Y	125.7	0.00	0.26	66.69	0	995	147	99					0	0	0	207
PL.29151	SIDEVIEW	A	4/0ACSR	7.56Y	126.0	0.03	0.03	95.29	20	713	104	99	0.43	0.0	0.020	0.020	0	0	0	123
		B		7.56Y	126.0	0.04	0.04	172.54	37	1281	247	98					0	0	0	202
		C		7.56Y	126.0	0.00	0.00	80.74	17	605	80	99					0	0	0	133
PL.32890	PL.29151	A	4/0ACSR	7.56Y	126.0	0.01	0.03	95.29	20	713	104	99	0.09	0.0	0.025	0.005	0	0	0	123
		B		7.56Y	126.0	0.01	0.05	172.54	37	1281	246	98					0	0	0	202
		C		7.56Y	126.0	-0.00	0.00	80.74	17	605	80	99					0	0	0	133
----- Feeder No. 4 (SIDEVIEW4) Beginning with Device PD.3906 -----																				
PD.3906	PL.32890	A	VWVE	7.56Y	126.0	0.00	0.03	95.29	0	713	104	99	0.00	0.0	0.025	0.000	0	0	0	123
		B		7.56Y	126.0	0.00	0.05	172.54	0	1280	246	98					0	0	0	202
		C		7.56Y	126.0	0.00	0.00	80.74	0	605	80	99					0	0	0	133
PL.29155	SIDEVIEW	A	4/0ACSR	7.56Y	126.0	0.01	0.01	72.58	15	547	47	100	0.12	0.0	0.009	0.009	0	0	0	67
		B		7.56Y	126.0	0.01	0.01	134.14	29	1009	103	99					0	0	0	178
		C		7.56Y	126.0	0.00	0.00	85.91	18	647	54	100					0	0	0	87
ST.29	PL.29155	A	Transforme	15.11Y	125.9	0.09	0.10	72.58	10	547	47	100	1.26	0.1	0.009	0.000	0	0	0	67
		B		15.10Y	125.8	0.18	0.19	134.14	19	1009	102	99					0	0	0	178
		C		15.11Y	125.9	0.11	0.11	85.91	12	647	54	100					0	0	0	87
PL.32894	ST.29	A	4/0ACSR	15.11Y	125.9	0.00	0.10	36.29	8	546	45	100	0.03	0.0	0.017	0.008	0	0	0	67
		B		15.10Y	125.8	0.00	0.20	67.07	14	1008	95	100					0	0	0	178
		C		15.11Y	125.9	0.00	0.11	42.96	9	647	51	100					0	0	0	87
----- Feeder No. 2 (SIDEVIEW2) Beginning with Device PD.3908 -----																				
PD.3908	PL.32894	A	VWVE	15.11Y	125.9	0.00	0.10	36.29	0	546	45	100	0.00	0.0	0.017	0.000	0	0	0	67
		B		15.10Y	125.8	0.00	0.20	67.07	0	1008	95	100					0	0	0	178
		C		15.11Y	125.9	0.00	0.11	42.96	0	647	51	100					0	0	0	87

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	2307	0	0	0	0	7194	143	0.00		9643
KVAR	316	0	0	-2	0	929	127			1371

Lowest Voltage	Highest Accumulated Voltage Drop	Highest Element Voltage Drop
A-Phase -> 116.24 volts on PL.14338	9.76 volts on PL.14338	0.55 volts on PL.7140
B-Phase -> 108.48 volts on PL.6421	17.52 volts on PL.6421	1.10 volts on PL.7140
C-Phase -> 119.14 volts on PL.2834	6.86 volts on PL.2834	0.47 volts on PL.7140

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

		Units Displayed In Volts													-----Element-----					
		-Base Voltage:120.0-																		
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)	KW	KVAR	Cons On	Cons Thru
SIDEVIEW		A	SIDEVIEW	7.56Y	126.0	0.00	0.00	399.06	0	2993	381	99	0.00	0.0	0.000	0.000	0	0	0	501
		B		7.56Y	126.0	0.00	0.00	484.01	0	3611	590	99					0	0	0	606
		C		7.56Y	126.0	0.00	0.00	405.49	0	3039	400	99					0	0	0	545
----- Feeder No. 3 (SIDEVIEW3) Beginning with Device PD.3909 -----																				
PD.3909	PL.32896	A	VWVE	7.56Y	126.0	0.00	0.01	118.19	0	886	116	99	0.00	0.0	0.013	0.000	0	0	0	148
		B		7.56Y	126.0	0.00	0.01	104.63	0	769	185	97					0	0	0	97
		C		7.56Y	126.0	0.00	0.01	105.61	0	791	111	99					0	0	0	117
C PD.1706	PL.11316	C	fuse6AMP	7.54Y	125.6	0.00	0.39	9.38	160	69	15	98	0.00	0.0	0.393	0.000	0	0	0	10 C
P PL.46543	PL.2628	C	1/0EPRJCN	7.50Y	125.1	-0.00	0.93	-0.04	0	0	0	0	0.00	0.0	1.519	0.071	0	0	0	0 P
C PD.8571	PL.43076	A	35V4E	7.48Y	124.6	0.00	1.38	30.48	87	226	30	99	0.00	0.0	1.713	0.000	0	0	0	45 C
C PD.1734	PL.11511	A	fuse8AMP	7.40Y	123.3	0.00	2.70	9.13	125	67	7	99	0.00	0.0	2.853	0.000	0	0	0	9 C
PL.18277	PL.43095	A	6ACWC	7.47Y	124.4	0.08	1.58	76.08	40	565	61	99	1.29	0.1	2.026	0.026	0	0	0	89
C		B		7.46Y	124.4	0.11	1.65	101.11	53	736	168	97					0	0	0	91 C
		C		7.48Y	124.7	0.07	1.27	78.34	41	582	72	99					0	0	0	86
PL.18278	PL.18277	A	6ACWC	7.46Y	124.4	0.02	1.60	76.08	40	565	61	99	0.31	0.0	2.032	0.006	0	0	0	89
C		B		7.46Y	124.3	0.03	1.67	101.11	53	736	168	97					0	0	0	91 C
		C		7.48Y	124.7	0.02	1.29	78.34	41	582	72	99					0	0	0	86
PL.31039	PL.18278	A	6ACWC	7.44Y	124.0	0.37	1.97	76.08	40	565	60	99	6.13	0.3	2.160	0.128	0	0	0	89
C		B		7.43Y	123.8	0.53	2.20	100.06	52	728	167	97					0	0	0	89 C
		C		7.46Y	124.4	0.34	1.63	77.01	40	572	71	99					0	0	0	85
PL.31040	PL.31039	A	6ACWC	7.43Y	123.9	0.14	2.11	76.08	40	563	60	99	2.22	0.1	2.207	0.047	0	0	0	89
C		B		7.42Y	123.6	0.19	2.39	100.06	52	725	166	97					0	0	0	89 C
		C		7.45Y	124.2	0.12	1.75	75.19	39	557	69	99					0	0	0	84
PL.39270	PD.441-B	A	6ACWC	7.43Y	123.8	0.06	2.17	76.08	40	562	60	99	0.92	0.1	2.227	0.020	0	0	0	89
C		B		7.41Y	123.5	0.08	2.47	100.06	52	723	165	97					0	0	0	89 C
		C		7.45Y	124.2	0.05	1.80	75.19	39	556	69	99					0	0	0	84
C PD.6903	PL.39281	A	25L	7.43Y	123.8	0.00	2.17	20.09	80	148	16	99	0.00	0.0	2.230	0.000	0	0	0	25 C
PL.39271	PL.39270	A	6ACWC	7.43Y	123.8	0.04	2.21	55.99	29	414	44	99	0.78	0.0	2.245	0.019	0	0	0	64
C		B		7.41Y	123.4	0.08	2.55	100.06	52	723	165	97					0	0	0	89 C
		C		7.45Y	124.2	0.05	1.85	75.19	39	556	69	99					0	0	0	84
PL.11920	PL.39271	A	6ACWC	7.42Y	123.6	0.15	2.36	55.99	29	414	44	99	2.99	0.2	2.318	0.073	0	0	0	64
C		B		7.39Y	123.1	0.31	2.87	100.06	52	723	165	97					0	0	0	89 C
		C		7.44Y	124.0	0.17	2.02	73.47	38	543	67	99					0	0	0	83
PL.11921	PL.11920	A	6ACWC	7.41Y	123.5	0.15	2.51	54.96	29	405	43	99	2.92	0.2	2.389	0.071	0	0	0	63
C		B		7.37Y	122.8	0.31	3.18	100.06	52	721	164	98					0	0	0	89 C
		C		7.43Y	123.8	0.17	2.19	73.47	38	542	67	99					0	0	0	83
PL.19742	PL.11921	A	6ACWC	7.41Y	123.5	0.04	2.54	54.96	29	405	43	99	0.67	0.0	2.406	0.017	0	0	0	63
C		B		7.36Y	122.7	0.07	3.25	98.78	51	710	162	97					0	0	0	88 C
		C		7.43Y	123.8	0.04	2.23	70.57	37	520	64	99					0	0	0	80
PL.19743	PL.19742	A	6ACWC	7.40Y	123.4	0.08	2.62	54.96	29	405	43	99	1.50	0.1	2.444	0.038	0	0	0	63
C		B		7.36Y	122.6	0.16	3.41	98.30	51	706	162	97					0	0	0	87 C
		C		7.42Y	123.7	0.09	2.31	70.57	37	520	64	99					0	0	0	80
PL.11922	PL.19743	A	6ACWC	7.40Y	123.4	0.02	2.64	53.69	28	395	42	99	0.30	0.0	2.452	0.008	0	0	0	62
C		B		7.35Y	122.6	0.03	3.45	98.30	51	705	161	97					0	0	0	87 C
		C		7.42Y	123.7	0.02	2.33	70.57	37	520	64	99					0	0	0	80
PL.11923	PL.11922	A	6ACWC	7.39Y	123.2	0.13	2.77	51.70	27	380	41	99	2.55	0.2	2.518	0.066	0	0	0	60
C		B		7.34Y	122.3	0.28	3.73	98.30	51	705	161	97					0	0	0	87 C
		C		7.41Y	123.5	0.15	2.48	70.57	37	520	64	99					0	0	0	80
PL.14622	PL.11923	A	6ACWC	7.39Y	123.2	0.00	2.77	51.70	27	380	41	99	0.06	0.0	2.520	0.002	0	0	0	60
C		B		7.34Y	122.3	0.01	3.74	97.45	51	697	160	97					0	0	0	86 C
		C		7.41Y	123.5	0.00	2.48	70.57	37	519	63	99					0	0	0	80
PL.14623	PL.14622	A	6ACWC	7.38Y	123.1	0.15	2.93	51.70	27	380	41	99	2.66	0.2	2.595	0.075	0	0	0	60
C		B		7.32Y	121.9	0.31	4.05	97.45	51	697	160	97					0	0	0	86 C
		C		7.40Y	123.4	0.14	2.62	60.80	32	447	56	99					0	0	0	74

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Units Displayed In Volts																				
-Base Voltage:120.0-																				
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		Cons On	Cons Thru
C	PL.11924	PL.14623	A	6ACWC	7.38Y	123.0	0.12	3.05	51.70	27	380	41	99	2.02	0.1	2.653	0.058	0	0	60
			B	6ACWC	7.30Y	121.7	0.24	4.29	97.11	51	693	159	97	0	0	0	0	0	0	85
			C	6ACWC	7.40Y	123.3	0.10	2.72	58.87	31	432	54	99	0	0	0	0	0	0	73
C	PL.11925	PL.11924	A	6ACWC	7.37Y	122.8	0.19	3.24	51.66	27	379	41	99	3.18	0.2	2.745	0.092	0	0	59
			B	6ACWC	7.28Y	121.3	0.38	4.67	97.11	51	691	158	97	0	0	0	0	0	0	85
			C	6ACWC	7.39Y	123.1	0.16	2.88	58.87	31	432	54	99	0	0	0	0	0	0	73
C	PL.41476	PL.11925	A	6ACWC	7.36Y	122.7	0.08	3.32	51.66	27	378	40	99	1.29	0.1	2.782	0.037	0	0	59
			B	6ACWC	7.27Y	121.2	0.15	4.83	97.11	51	689	157	97	0	0	0	0	0	0	85
			C	6ACWC	7.38Y	123.1	0.06	2.95	58.87	31	432	54	99	0	0	0	0	0	0	73
C	PL.41477	PD.7450	A	6ACWC	7.36Y	122.7	0.01	3.33	51.66	27	378	40	99	0.25	0.0	2.789	0.007	0	0	59
			B	6ACWC	7.27Y	121.1	0.03	4.86	97.11	51	688	157	97	0	0	0	0	0	0	85
			C	6ACWC	7.38Y	123.0	0.01	2.96	58.87	31	431	54	99	0	0	0	0	0	0	73
C	PL.39459	PL.41477	A	6ACWC	7.36Y	122.6	0.03	3.36	51.66	27	378	40	99	0.54	0.0	2.805	0.016	0	0	59
			B	6ACWC	7.26Y	121.1	0.07	4.92	97.11	51	688	157	97	0	0	0	0	0	0	85
			C	6ACWC	7.38Y	123.0	0.03	2.99	58.87	31	431	54	99	0	0	0	0	0	0	73
C	PL.14624	PL.39459	A	6ACWC	7.35Y	122.6	0.07	3.43	51.66	27	378	40	99	1.10	0.1	2.837	0.032	0	0	59
			B	6ACWC	7.26Y	120.9	0.13	5.06	96.11	50	681	156	97	0	0	0	0	0	0	84
			C	6ACWC	7.38Y	123.0	0.06	3.04	58.87	31	431	54	99	0	0	0	0	0	0	73
C	PL.14625	PL.14624	A	6ACWC	7.34Y	122.4	0.16	3.59	51.21	27	374	40	99	2.64	0.2	2.914	0.077	0	0	58
			B	6ACWC	7.24Y	120.6	0.32	5.37	96.11	50	680	156	97	0	0	0	0	0	0	84
			C	6ACWC	7.37Y	122.8	0.14	3.18	58.87	31	431	53	99	0	0	0	0	0	0	73
C	PL.174	PL.14625	A	6ACWC	7.33Y	122.1	0.29	3.88	51.21	27	374	40	99	4.81	0.3	3.055	0.141	0	0	58
			B	6ACWC	7.20Y	120.0	0.58	5.95	96.11	50	678	155	97	0	0	0	0	0	0	84
			C	6ACWC	7.35Y	122.6	0.25	3.43	58.87	31	431	53	99	0	0	0	0	0	0	73
C	PL.7140	PL.174	A	6ACWC	7.29Y	121.6	0.55	4.42	51.21	27	373	40	99	9.11	0.6	3.322	0.267	0	0	58
			B	6ACWC	7.14Y	118.9	1.10	7.05	96.11	50	675	154	98	0	0	0	0	0	0	84
			C	6ACWC	7.33Y	122.1	0.47	3.90	58.87	31	430	53	99	0	0	0	0	0	0	73
L	PL.14606	PL.7141	A	6ACWC	7.26Y	121.0	0.48	5.04	51.03	27	370	40	99	8.06	0.6	3.622	0.237	0	0	56
			B	6ACWC	7.06Y	117.7	0.97	8.28	95.87	50	666	150	98	0	0	0	0	0	0	83
			C	6ACWC	7.29Y	121.6	0.42	4.42	58.87	31	428	52	99	0	0	0	0	0	0	73
L	PL.14607	PL.14606	A	6ACWC	7.26Y	121.0	0.00	5.04	50.01	26	361	39	99	0.04	0.0	3.623	0.001	0	0	53
			B	6ACWC	7.06Y	117.7	0.00	8.29	92.04	48	634	145	97	0	0	0	0	0	0	80
			C	6ACWC	7.29Y	121.6	0.00	4.43	58.87	31	426	51	99	0	0	0	0	0	0	73
L	PL.14608	PL.14607	A	6ACWC	7.25Y	120.9	0.10	5.14	50.01	26	361	39	99	1.64	0.1	3.674	0.051	0	0	53
			B	6ACWC	7.05Y	117.5	0.20	8.49	92.04	48	634	145	97	0	0	0	0	0	0	80
			C	6ACWC	7.29Y	121.5	0.09	4.52	58.87	31	426	51	99	0	0	0	0	0	0	73
L	PL.14620	PL.14608	A	6ACWC	7.24Y	120.7	0.18	5.32	50.01	26	361	39	99	2.92	0.2	3.766	0.092	0	0	53
			B	6ACWC	7.03Y	117.2	0.36	8.85	91.13	47	626	144	97	0	0	0	0	0	0	79
			C	6ACWC	7.28Y	121.3	0.17	4.68	58.87	31	426	51	99	0	0	0	0	0	0	73
L	PL.14621	PL.14620	A	6ACWC	7.23Y	120.5	0.17	5.49	47.54	25	342	37	99	2.88	0.2	3.859	0.092	0	0	51
			B	6ACWC	7.01Y	116.8	0.36	9.21	91.13	47	624	143	97	0	0	0	0	0	0	79
			C	6ACWC	7.27Y	121.2	0.16	4.85	58.87	31	426	50	99	0	0	0	0	0	0	73
L	PL.15789	PL.14621	B	4ACSR	7.01Y	116.8	0.00	9.21	0.60	0	4	0	99	0.00	0.0	3.875	0.016	0	0	1
L	PD.1743	PL.15789	B	fuse6AMP	7.01Y	116.8	0.00	9.21	0.60	10	4	0	99	0.00	0.0	3.875	0.000	0	0	1
L	PL.15790	PD.1743	B	4ACSR	7.01Y	116.8	0.00	9.21	0.60	0	4	0	99	0.00	0.0	3.958	0.083	0	0	1
L	483807	PL.15790	B	Consumer	7.01Y	116.8	0.00	9.21	0.60	0	4	0	99	0.00	0.0	3.958	0.000	4	0	1
L	PL.14617	PL.14621	A	6ACWC	7.22Y	120.3	0.22	5.71	47.54	25	342	37	99	3.60	0.3	3.975	0.116	0	0	51
			B	6ACWC	6.98Y	116.3	0.45	9.66	90.53	47	618	142	97	0	0	0	0	0	0	78
			C	6ACWC	7.26Y	120.9	0.21	5.06	58.87	31	425	50	99	0	0	0	0	0	0	73
L	PL.14618	PL.14617	A	6ACWC	7.21Y	120.1	0.14	5.85	47.54	25	341	37	99	2.38	0.2	4.053	0.078	0	0	51
			B	6ACWC	6.96Y	116.0	0.30	9.97	89.11	46	606	139	97	0	0	0	0	0	0	77
			C	6ACWC	7.25Y	120.8	0.14	5.20	58.87	31	424	50	99	0	0	0	0	0	0	73
L	PL.14619	PL.14618	A	6ACWC	7.20Y	120.0	0.19	6.04	44.91	23	322	35	99	3.20	0.2	4.160	0.107	0	0	48
			B	6ACWC	6.94Y	115.6	0.41	10.38	89.11	46	605	139	97	0	0	0	0	0	0	77
			C	6ACWC	7.24Y	120.6	0.19	5.39	58.87	31	424	49	99	0	0	0	0	0	0	73

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Units Displayed In Volts																						
-Base Voltage:120.0-																						
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		Cons On	Cons Thru		
																	KW	KVAR				
L	PL.39441	PL.14619	A	6ACWC	7.19Y	119.9	0.06	6.10	44.91	23	321	35	99	0.77	0.1	4.190	0.030	0	0	0	48	
			B		6.93Y	115.5	0.11	10.49	89.11	46	603	138	97					0	0	0	77	L
			C		7.24Y	120.6	0.03	5.42	39.00	20	280	33	99					0	0	0	45	
C	PD.3546	PL.39441	A	50V4E	7.19Y	119.9	0.00	6.10	44.91	90	321	34	99	0.00	0.0	4.190	0.000	0	0	0	48	C
			B		6.93Y	115.5	0.00	10.49	89.11	178	602	138	97					0	0	0	77	L
			C		7.24Y	120.6	0.00	5.42	39.00	78	280	33	99					0	0	0	45	
L	PL.39442	PD.3546	A	6ACWC	7.19Y	119.8	0.07	6.17	44.91	23	321	34	99	0.98	0.1	4.228	0.038	0	0	0	48	
			B		6.92Y	115.4	0.14	10.64	89.11	46	602	138	97					0	0	0	77	L
			C		7.23Y	120.5	0.04	5.45	39.00	20	280	33	99					0	0	0	45	
L	PL.19247	PL.39442	A	6ACWC	7.19Y	119.8	0.07	6.24	44.91	23	321	34	99	0.85	0.1	4.261	0.033	0	0	0	48	
			B		6.91Y	115.2	0.12	10.76	89.11	46	601	137	97					0	0	0	77	L
			C		7.23Y	120.5	0.03	5.48	37.07	19	266	32	99					0	0	0	43	
L	PL.28081	PL.19247	A	6ACWC	7.18Y	119.7	0.06	6.30	44.91	23	321	34	99	0.80	0.1	4.294	0.032	0	0	0	48	
			B		6.91Y	115.1	0.12	10.88	87.79	46	592	136	97					0	0	0	75	L
			C		7.23Y	120.5	0.03	5.51	37.07	19	266	32	99					0	0	0	43	
L	PL.28082	PL.28081	A	6ACWC	7.18Y	119.6	0.11	6.42	44.91	23	321	34	99	1.44	0.1	4.351	0.058	0	0	0	48	
			B		6.89Y	114.9	0.21	11.09	87.79	46	591	136	97					0	0	0	75	L
			C		7.23Y	120.4	0.05	5.56	37.07	19	266	32	99					0	0	0	43	
L	PD.1599-A	PL.28082	A	Closed	7.18Y	119.6	0.00	6.42	44.91	0	320	34	99	0.00	0.0	4.351	0.000	0	0	0	48	
			B		6.89Y	114.9	0.00	11.09	87.79	0	590	135	97					0	0	0	75	L
			C		7.23Y	120.4	0.00	5.56	37.07	0	266	32	99					0	0	0	43	
L	PD.1599-B	PD.1599-A	A	Closed	7.18Y	119.6	0.00	6.42	44.91	0	320	34	99	0.00	0.0	4.351	0.000	0	0	0	48	
			B		6.89Y	114.9	0.00	11.09	87.79	0	590	135	97					0	0	0	75	L
			C		7.23Y	120.4	0.00	5.56	37.07	0	266	32	99					0	0	0	43	
L	PL.27742	PD.1599-B	A	6ACWC	7.17Y	119.5	0.04	6.46	44.91	23	320	34	99	0.53	0.0	4.373	0.021	0	0	0	48	
			B		6.89Y	114.8	0.08	11.17	87.79	46	590	135	97					0	0	0	75	L
			C		7.23Y	120.4	0.02	5.58	37.07	19	266	32	99					0	0	0	43	
L	PL.14609	PL.27742	A	6ACWC	7.17Y	119.4	0.12	6.57	44.91	23	320	34	99	1.44	0.1	4.432	0.059	0	0	0	48	
			B		6.88Y	114.6	0.21	11.38	87.22	45	586	135	97					0	0	0	74	L
			C		7.22Y	120.4	0.05	5.63	36.09	19	259	31	99					0	0	0	42	
L	PL.14610	PL.14609	A	6ACWC	7.15Y	119.1	0.32	6.89	43.86	23	312	34	99	3.87	0.3	4.592	0.161	0	0	0	45	
			B		6.84Y	114.0	0.58	11.97	87.22	45	585	134	97					0	0	0	74	L
			C		7.22Y	120.3	0.12	5.75	34.43	18	247	29	99					0	0	0	41	
L	PL.14602	PL.14610	B	4ACSR	6.84Y	114.0	0.00	11.97	0.00	0	0	100	0.00	0.0	4.600	0.007	0	0	0	0	L	
L	PD.1745	PL.14602	B	fuse6AMP	6.84Y	114.0	0.00	11.97	0.00	0	0	100	0.00	0.0	4.600	0.000	0	0	0	0	L	
L	PL.14603	PD.1745	B	4ACSR	6.84Y	114.0	0.00	11.97	0.00	0	0	100	0.00	0.0	4.770	0.170	0	0	0	0	L	
L	484813	PL.14610	B	Consumer	6.84Y	114.0	0.00	11.97	0.00	0	0	100	0.00	0.0	4.592	0.000	0	0	0	0	L	
L	PL.14436	PL.14610	A	6ACWC	7.13Y	118.8	0.34	7.23	43.30	23	308	33	99	4.20	0.4	4.768	0.175	0	0	0	44	
			B		6.80Y	113.4	0.64	12.61	87.22	45	582	133	98					0	0	0	74	L
			C		7.21Y	120.1	0.13	5.88	34.43	18	247	29	99					0	0	0	41	
L	PL.15793	PL.14436	B	4ACSR	6.80Y	113.4	0.00	12.61	0.00	0	0	100	0.00	0.0	4.780	0.013	0	0	0	2	L	
L	PD.1747	PL.15793	B	fuse6AMP	6.80Y	113.4	0.00	12.61	0.00	0	0	100	0.00	0.0	4.780	0.000	0	0	0	2	L	
L	PL.15794	PD.1747	B	4ACSR	6.80Y	113.4	0.00	12.61	0.00	0	0	100	0.00	0.0	4.955	0.174	0	0	0	2	L	
L	PL.2825	PL.15794	B	4ACSR	6.80Y	113.4	0.00	12.61	0.00	0	0	100	0.00	0.0	5.344	0.389	0	0	0	2	L	
L	PL.2824	PL.2825	B	4ACSR	6.80Y	113.4	0.00	12.61	0.00	0	0	100	0.00	0.0	5.494	0.150	0	0	0	1	L	
L	PL.2821	PL.2824	B	4ACSR	6.80Y	113.4	0.00	12.61	0.00	0	0	100	0.00	0.0	5.626	0.132	0	0	0	1	L	
L	484809	PL.2821	B	Consumer	6.80Y	113.4	0.00	12.61	0.00	0	0	100	0.00	0.0	5.626	0.000	0	0	1	1	L	
L	484808	PL.2825	B	Consumer	6.80Y	113.4	0.00	12.61	0.00	0	0	100	0.00	0.0	5.344	0.000	0	0	1	1	L	
L	PL.14601	PL.14436	A	6ACWC	7.10Y	118.3	0.48	7.71	43.30	23	307	33	99	5.87	0.5	5.013	0.245	0	0	0	44	
			B		6.75Y	112.5	0.89	13.50	87.22	45	579	131	98					0	0	0	72	L
			C		7.20Y	119.9	0.19	6.07	34.43	18	246	29	99					0	0	0	41	

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	Length (mi)	Element		Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss			% Loss	KW			KVAR	
C PD.1748	PL.15795	C	fuse6AMP	7.20Y	119.9	0.00	6.07	4.96	85	35	4	99	0.00	0.0	5.030	0.000	0	0	0	3	C
L PL.12080	PL.14601	A	6ACWC	7.08Y	118.0	0.29	7.99	43.30	23	306	33	99	3.33	0.3	5.157	0.144	0	0	0	44	
		B		6.72Y	112.0	0.52	14.02	87.22	45	575	129	98					0	0	0	72	L
		C		7.19Y	119.9	0.07	6.14	28.75	15	205	25	99					0	0	0	37	
L PL.12081	PL.12080	A	6ACWC	7.07Y	117.9	0.10	8.10	43.30	23	305	33	99	0.97	0.1	5.210	0.054	0	0	0	44	L
		B		6.71Y	111.8	0.16	14.18	73.31	38	478	118	97					0	0	0	58	L
		C		7.19Y	119.8	0.04	6.18	28.68	15	205	25	99					0	0	0	36	
L PL.2817	PL.12081	A	6ACWC	7.07Y	117.9	0.00	8.10	0.23	0	1	1	90	0.00	0.0	5.307	0.096	0	0	0	0	L
		B		6.71Y	111.8	0.00	14.18	0.24	0	1	1	90					0	0	0	0	L
		C		7.19Y	119.8	0.00	6.18	0.22	0	1	1	90					0	0	0	0	
L 484966	PL.2817	A	Consumer	7.07Y	117.9	0.00	8.10	0.23	0	1	1	90	0.00	0.0	5.307	0.000	1	1	0	0	L
		B		6.71Y	111.8	0.00	14.18	0.24	0	1	1	90					1	1	0	0	L
		C		7.19Y	119.8	0.00	6.18	0.22	0	1	1	90					1	1	0	0	
L PL.12079	PL.12081	A	6ACWC	7.07Y	117.8	0.15	8.25	43.09	22	303	32	99	1.42	0.1	5.290	0.079	0	0	0	44	L
		B		6.70Y	111.6	0.24	14.41	73.07	38	476	116	97					0	0	0	58	L
		C		7.19Y	119.8	0.05	6.23	28.47	15	203	24	99					0	0	0	36	
L 484939	PL.12079	A	Consumer	7.07Y	117.8	0.00	8.25	0.95	0	7	1	99	0.00	0.0	5.290	0.000	7	1	1	1	L
L PL.7127	PL.12079	A	6ACWC	7.06Y	117.6	0.14	8.38	38.29	20	269	29	99	1.36	0.1	5.369	0.080	0	0	0	39	L
		B		6.68Y	111.3	0.24	14.66	73.07	38	475	116	97					0	0	0	58	L
		C		7.18Y	119.7	0.05	6.28	28.47	15	203	24	99					0	0	0	36	
L PL.12085	PL.7127	A	6ACWC	7.05Y	117.4	0.18	8.56	37.49	20	263	28	99	1.83	0.2	5.477	0.108	0	0	0	38	L
		B		6.66Y	111.0	0.33	14.99	73.07	38	474	115	97					0	0	0	58	L
		C		7.18Y	119.7	0.07	6.35	28.47	15	203	24	99					0	0	0	36	
L PL.12087	PL.12085	A	4ACSR	7.05Y	117.4	0.00	8.56	0.27	0	2	0	99	0.00	0.0	5.493	0.016	0	0	0	2	L
L PD.1598	PL.12087	A	fuse6AMP	7.05Y	117.4	0.00	8.56	0.27	5	2	0	99	0.00	0.0	5.493	0.000	0	0	0	2	L
L PL.12088	PD.1598	A	4ACSR	7.05Y	117.4	0.00	8.56	0.27	0	2	0	99	0.00	0.0	5.561	0.068	0	0	0	2	L
L PL.46031	PL.12088	A	2ACSR	7.05Y	117.4	0.00	8.56	0.00	0	0	0	100	0.00	0.0	5.668	0.107	0	0	0	0	L
L 4848019	PL.46031	A	Consumer	7.05Y	117.4	0.00	8.56	0.00	0	0	0	100	0.00	0.0	5.668	0.000	0	0	0	0	L
L PL.2820	PL.12088	A	4ACSR	7.05Y	117.4	0.00	8.56	0.27	0	2	0	99	0.00	0.0	5.797	0.236	0	0	0	2	L
L 484810	PL.2820	A	Consumer	7.05Y	117.4	0.00	8.56	0.27	0	2	0	99	0.00	0.0	5.797	0.000	2	0	1	1	L
L PL.12082	PL.2820	A	4ACSR	7.05Y	117.4	-0.00	8.56	0.00	0	0	0	99	0.00	0.0	5.899	0.102	0	0	0	1	L
L PL.12083	PL.12082	A	4ACSR	7.05Y	117.4	-0.00	8.56	0.00	0	0	0	99	0.00	0.0	6.062	0.163	0	0	0	1	L
L 484811	PL.12083	A	Consumer	7.05Y	117.4	0.00	8.56	0.00	0	0	0	99	0.00	0.0	6.062	0.000	0	0	1	1	L
L 484814	PL.12085	B	Consumer	6.66Y	111.0	0.00	14.99	1.33	0	9	1	99	0.00	0.0	5.477	0.000	9	1	1	1	L
L PL.12086	PL.12085	A	6ACWC	7.05Y	117.4	0.00	8.56	37.21	19	261	28	99	0.00	0.0	5.477	0.000	0	0	0	36	L
		B		6.66Y	111.0	0.00	14.99	71.76	37	464	114	97					0	0	0	57	L
		C		7.18Y	119.7	0.00	6.35	28.47	15	203	24	99					0	0	0	36	
L PL.12084	PL.12086	A	6ACWC	7.04Y	117.3	0.18	8.74	37.21	19	261	28	99	1.81	0.2	5.587	0.110	0	0	0	36	L
		B		6.64Y	110.7	0.33	15.31	71.76	37	464	114	97					0	0	0	57	L
		C		7.17Y	119.6	0.07	6.42	28.47	15	203	24	99					0	0	0	36	
L PL.12077	PL.12084	A	6ACWC	7.03Y	117.2	0.04	8.78	37.21	19	260	28	99	0.36	0.0	5.609	0.022	0	0	0	36	L
		B		6.64Y	110.6	0.07	15.38	71.76	37	463	113	97					0	0	0	57	L
		C		7.17Y	119.6	0.01	6.43	28.47	15	203	24	99					0	0	0	36	
L PL.2888	PL.12077	A	4ACSR	7.03Y	117.2	0.00	8.78	0.00	0	0	0	100	0.00	0.0	5.677	0.068	0	0	0	0	L
L 485804	PL.2888	A	Consumer	7.03Y	117.2	0.00	8.78	0.00	0	0	0	100	0.00	0.0	5.677	0.000	0	0	0	0	L
L PL.12078	PL.12077	A	6ACWC	7.02Y	117.0	0.24	9.01	37.21	19	260	28	99	2.36	0.3	5.752	0.143	0	0	0	36	L
		B		6.61Y	110.2	0.43	15.81	71.76	37	463	113	97					0	0	0	57	L
		C		7.17Y	119.5	0.09	6.52	28.47	15	203	24	99					0	0	0	36	

Unbalanced Voltage Drop Report
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Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	Length (mi)	Element		Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss			% Loss	KW			KVAR
L PL.179	PL.12078	A	336ACSR	7.02Y	117.0	0.02	9.03	37.21	5	260	28	99	0.09	0.0	5.798	0.045	0	0	0	36 L
L		B		6.61Y	110.2	0.03	15.84	70.24	10	451	111	97					0	0	0	55 L
		C		7.17Y	119.5	-0.00	6.52	26.98	4	192	23	99					0	0	0	34
L PL.7129	PL.179	A	336ACSR	7.02Y	117.0	0.02	9.05	37.21	5	260	28	99	0.12	0.0	5.855	0.057	0	0	0	36 L
L		B		6.61Y	110.1	0.03	15.87	70.24	10	451	111	97					0	0	0	55 L
		C		7.17Y	119.5	-0.01	6.51	26.98	4	192	23	99					0	0	0	34
L 484963	PL.7129	B	Consumer	6.61Y	110.1	0.00	15.87	1.41	0	9	1	99	0.00	0.0	5.855	0.000	9	1	1	1 L
L PL.21164	PL.7129	A	336ACSR	7.02Y	116.9	0.01	9.05	37.21	5	260	28	99	0.03	0.0	5.871	0.016	0	0	0	36 L
L		B		6.61Y	110.1	0.01	15.88	68.84	9	441	110	97					0	0	0	54 L
		C		7.17Y	119.5	-0.00	6.51	26.98	4	192	23	99					0	0	0	34
L PD.3519	PL.21164	A	50L	7.02Y	116.9	0.00	9.05	37.21	74	260	28	99	0.00	0.0	5.871	0.000	0	0	0	36 L
L		B		6.61Y	110.1	0.00	15.88	68.84	138	441	110	97					0	0	0	54 L
		C		7.17Y	119.5	0.00	6.51	26.98	54	192	22	99					0	0	0	34
L PL.43775	PD.3519	A	336ACSR	7.02Y	116.9	0.01	9.06	37.21	5	260	28	99	0.05	0.0	5.897	0.026	0	0	0	36 L
L		B		6.61Y	110.1	0.02	15.90	68.84	9	441	110	97					0	0	0	54 L
		C		7.17Y	119.5	-0.00	6.51	26.98	4	192	22	99					0	0	0	34
L PL.43776	PL.43775	A	336ACSR	7.02Y	116.9	0.01	9.08	37.21	5	260	28	99	0.07	0.0	5.932	0.036	0	0	0	36 L
L		B		6.60Y	110.1	0.02	15.92	68.84	9	441	110	97					0	0	0	54 L
		C		7.17Y	119.5	-0.00	6.51	26.98	4	192	22	99					0	0	0	34
L 484968	PL.43776	B	Consumer	6.60Y	110.1	0.00	15.92	1.34	0	9	1	99	0.00	0.0	5.932	0.000	9	1	1	1 L
L PL.44223	PL.43776	A	336ACSR	7.01Y	116.9	0.01	9.09	37.21	5	260	28	99	0.07	0.0	5.970	0.038	0	0	0	36 L
L		B		6.60Y	110.1	0.02	15.94	67.51	9	433	108	97					0	0	0	53 L
		C		7.17Y	119.5	-0.00	6.50	26.98	4	192	22	99					0	0	0	34
L PL.44224	PL.44223	A	336ACSR	7.01Y	116.9	0.02	9.11	37.21	5	260	27	99	0.14	0.0	6.041	0.071	0	0	0	36 L
L		B		6.60Y	110.0	0.04	15.98	67.51	9	432	108	97					0	0	0	53 L
		C		7.17Y	119.5	-0.01	6.50	26.98	4	192	22	99					0	0	0	34
L PL.42567	PL.44224	B	4ACSR	6.60Y	110.0	0.00	15.98	2.73	1	18	2	99	0.00	0.0	6.048	0.006	0	0	0	3 L
L PD.8504	PL.42567	B	fuse6AMP	6.60Y	110.0	0.00	15.98	2.73	47	18	2	99	0.00	0.0	6.048	0.000	0	0	0	3 L
L PL.42568	PD.8504	B	4ACSR	6.60Y	110.0	0.00	15.99	2.73	1	18	2	99	0.00	0.0	6.084	0.036	0	0	0	3 L
L 484944	PL.42568	B	Consumer	6.60Y	110.0	0.00	15.99	1.01	0	7	1	99	0.00	0.0	6.084	0.000	7	1	1	1 L
L 4849074	PL.42568	B	Consumer	6.60Y	110.0	0.00	15.99	1.12	0	7	1	99	0.00	0.0	6.084	0.000	7	1	1	1 L
L 484928	PL.42568	B	Consumer	6.60Y	110.0	0.00	15.99	0.60	0	4	0	99	0.00	0.0	6.084	0.000	4	0	1	1 L
L 4849070	PL.44224	B	Consumer	6.60Y	110.0	0.00	15.98	2.18	0	14	1	99	0.00	0.0	6.041	0.000	14	1	1	1 L
L PL.39797	PL.44224	A	336ACSR	7.01Y	116.9	0.01	9.12	37.21	5	260	27	99	0.03	0.0	6.061	0.019	0	0	0	36 L
L		B		6.60Y	110.0	0.01	15.99	62.66	9	400	105	97					0	0	0	49 L
		C		7.17Y	119.5	-0.00	6.50	25.93	4	185	22	99					0	0	0	33
L PL.39798	PL.39797	A	336ACSR	7.01Y	116.9	0.01	9.13	37.21	5	260	27	99	0.04	0.0	6.083	0.022	0	0	0	36 L
L		B		6.60Y	110.0	0.01	16.00	61.60	8	393	104	97					0	0	0	48 L
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	22	99					0	0	0	33
L 4849075	PL.39798	B	Consumer	6.60Y	110.0	0.00	16.00	0.00	0	0	0	100	0.00	0.0	6.083	0.000	0	0	0	0 L
L 484961	PL.39798	B	Consumer	6.60Y	110.0	0.00	16.00	1.62	0	11	1	99	0.00	0.0	6.083	0.000	11	1	1	1 L
L PL.20642	PL.39798	A	336ACSR	7.01Y	116.9	0.01	9.14	37.21	5	260	27	99	0.04	0.0	6.109	0.026	0	0	0	36 L
L		B		6.60Y	110.0	0.01	16.02	60.00	8	382	103	97					0	0	0	47 L
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	22	99					0	0	0	33
L PL.20643	PL.20642	A	336ACSR	7.01Y	116.9	0.01	9.15	37.21	5	259	27	99	0.05	0.0	6.141	0.032	0	0	0	36 L
L		B		6.60Y	110.0	0.02	16.03	58.36	8	372	102	96					0	0	0	46 L
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	22	99					0	0	0	33
L PL.20644	PL.20643	A	336ACSR	7.01Y	116.8	0.04	9.19	37.21	5	259	27	99	0.20	0.0	6.274	0.133	0	0	0	36 L
L		B		6.59Y	109.9	0.06	16.09	56.76	8	361	100	96					0	0	0	44 L
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	22	99					0	0	0	33
L 484921	PL.20644	B	Consumer	6.59Y	109.9	0.00	16.09	0.00	0	0	0	100	0.00	0.0	6.274	0.000	0	0	1	1 L

Unbalanced Voltage Drop Report
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Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	Length (mi)	Element		Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss			% Loss	KW			KVAR	
L PL.42784	PL.20644	A	336ACSR	7.01Y	116.8	0.05	9.24	37.21	5	259	27	99	0.25	0.0	6.443	0.168	0	0	0	36	L
L		B		6.59Y	109.8	0.08	16.17	55.32	8	351	99	96					0	0	0	40	L
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	22	99					0	0	0	33	
L PL.42787	PL.42784	B	2ACSR	6.59Y	109.8	0.00	16.17	0.65	0	4	0	99	0.00	0.0	6.446	0.003	0	0	0	1	L
L PD.8507	PL.42787	B	fuse6AMP	6.59Y	109.8	0.00	16.17	0.65	11	4	0	99	0.00	0.0	6.446	0.000	0	0	0	1	L
L PL.42788	PD.8507	B	2ACSR	6.59Y	109.8	0.00	16.17	0.65	0	4	0	99	0.00	0.0	6.472	0.026	0	0	0	1	L
L 484931	PL.42788	B	Consumer	6.59Y	109.8	0.00	16.17	0.65	0	4	0	99	0.00	0.0	6.472	0.000	4	0	1	1	L
L PL.42789	PL.42784	B	2ACSR	6.59Y	109.8	0.00	16.17	0.01	0	0	0	99	0.00	0.0	6.447	0.004	0	0	0	1	L
L PD.8506	PL.42789	B	fuse6AMP	6.59Y	109.8	0.00	16.17	0.01	0	0	0	99	0.00	0.0	6.447	0.000	0	0	0	1	L
L PL.42790	PD.8506	B	2ACSR	6.59Y	109.8	0.00	16.17	0.01	0	0	0	99	0.00	0.0	6.497	0.050	0	0	0	1	L
L 484937	PL.42790	B	Consumer	6.59Y	109.8	0.00	16.17	0.01	0	0	0	99	0.00	0.0	6.497	0.000	0	0	1	1	L
L 484916	PL.42790	B	Consumer	6.59Y	109.8	0.00	16.17	0.00	0	0	0	100	0.00	0.0	6.497	0.000	0	0	0	0	L
L PL.42791	PL.42784	A	336ACSR	7.00Y	116.7	0.04	9.28	37.21	5	259	27	99	0.20	0.0	6.581	0.138	0	0	0	36	L
L		B		6.59Y	109.8	0.06	16.24	54.67	7	347	98	96					0	0	0	38	L
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	22	99					0	0	0	33	
L PL.42793	PL.42791	A	336ACSR	7.00Y	116.7	0.01	9.28	37.21	5	259	27	99	0.03	0.0	6.598	0.018	0	0	0	36	L
L		B		6.59Y	109.8	0.01	16.24	54.67	7	347	98	96					0	0	0	38	L
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PL.42808	PL.42793	B	2ACSR	6.59Y	109.8	0.00	16.25	1.72	1	11	1	99	0.00	0.0	6.619	0.021	0	0	0	2	L
L 484920	PL.42808	B	Consumer	6.59Y	109.8	0.00	16.25	1.72	0	11	1	99	0.00	0.0	6.619	0.000	11	1	1	1	L
L 4849073	PL.42808	B	Consumer	6.59Y	109.8	0.00	16.25	0.00	0	0	0	100	0.00	0.0	6.619	0.000	0	0	1	1	L
L PL.42799	PL.42793	A	336ACSR	7.00Y	116.7	0.01	9.29	37.21	5	259	27	99	0.06	0.0	6.641	0.043	0	0	0	36	L
L		B		6.58Y	109.7	0.02	16.26	52.98	7	335	97	96					0	0	0	36	L
		C		7.17Y	119.5	0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PL.42800	PL.42799	A	336ACSR	7.00Y	116.7	0.01	9.31	37.21	5	259	27	99	0.06	0.0	6.688	0.047	0	0	0	36	L
L		B		6.58Y	109.7	0.02	16.28	52.98	7	335	97	96					0	0	0	35	L
		C		7.17Y	119.5	0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PL.42797	PL.42800	A	336ACSR	7.00Y	116.7	0.03	9.34	37.21	5	259	27	99	0.14	0.0	6.789	0.101	0	0	0	36	L
L		B		6.58Y	109.7	0.04	16.33	52.98	7	335	96	96					0	0	0	35	L
		C		7.17Y	119.5	0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PL.42801	PL.42797	A	2ACSR	7.00Y	116.7	0.00	9.34	0.87	0	6	1	99	0.00	0.0	6.793	0.003	0	0	0	2	L
L PD.8508	PL.42801	A	fuse6AMP	7.00Y	116.7	0.00	9.34	0.87	15	6	1	99	0.00	0.0	6.793	0.000	0	0	0	2	L
L PL.42802	PD.8508	A	2ACSR	7.00Y	116.7	0.00	9.34	0.87	0	6	1	99	0.00	0.0	6.879	0.087	0	0	0	2	L
L 484929	PL.42802	A	Consumer	7.00Y	116.7	0.00	9.34	0.01	0	0	0	99	0.00	0.0	6.879	0.000	0	0	1	1	L
L 484901	PL.42802	A	Consumer	7.00Y	116.7	0.00	9.34	0.86	0	6	1	99	0.00	0.0	6.879	0.000	6	1	1	1	L
L PL.42811	PL.42797	A	336ACSR	7.00Y	116.7	0.01	9.35	36.34	5	253	26	99	0.05	0.0	6.823	0.034	0	0	0	34	L
L		B		6.58Y	109.7	0.02	16.34	52.98	7	335	96	96					0	0	0	35	L
		C		7.17Y	119.5	0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PD.8141-A	PL.42811	A	Closed	7.00Y	116.7	0.00	9.35	36.34	0	253	26	99	0.00	0.0	6.823	0.000	0	0	0	34	L
L		B		6.58Y	109.7	0.00	16.34	52.98	0	335	96	96					0	0	0	35	L
		C		7.17Y	119.5	0.00	6.49	25.93	0	185	21	99					0	0	0	33	
L PD.8141-B	PD.8141-A	A	Closed	7.00Y	116.7	0.00	9.35	36.34	0	253	26	99	0.00	0.0	6.823	0.000	0	0	0	34	L
L		B		6.58Y	109.7	0.00	16.34	52.98	0	335	96	96					0	0	0	35	L
		C		7.17Y	119.5	0.00	6.49	25.93	0	185	21	99					0	0	0	33	
L PL.42812	PD.8141-B	A	336ACSR	7.00Y	116.6	0.00	9.35	36.34	5	253	26	99	0.02	0.0	6.837	0.013	0	0	0	34	L
L		B		6.58Y	109.6	0.01	16.35	52.98	7	335	96	96					0	0	0	35	L
		C		7.17Y	119.5	0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PL.42813	PL.42812	A	2ACSR	7.00Y	116.6	0.00	9.35	4.74	2	33	3	99	0.00	0.0	6.840	0.003	0	0	0	8	L

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts						mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru			
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF							kW Loss	% Loss	
L PD.8142	PL.42813	A	fuse6AMP	7.00Y	116.6	0.00	9.35	4.74	81	33	3	99	0.00	0.0	6.840	0.000	0	0	0	8	L
L PL.42814	PD.8142	A	2ACSR	7.00Y	116.6	0.01	9.36	4.74	2	33	3	99	0.00	0.0	6.889	0.049	0	0	0	8	L
L PL.20051	PL.42814	A	4ACSR	7.00Y	116.6	0.01	9.37	3.76	2	26	3	99	0.00	0.0	6.941	0.052	0	0	0	6	L
L PL.20050	PL.20051	A	4ACSR	7.00Y	116.6	0.01	9.37	3.39	2	24	2	99	0.00	0.0	6.979	0.038	0	0	0	5	L
L 484950	PL.20050	A	Consumer	7.00Y	116.6	0.00	9.37	1.61	0	11	1	99	0.00	0.0	6.979	0.000	11	1	1	1	L
L 484913	PL.20050	A	Consumer	7.00Y	116.6	0.00	9.37	0.61	0	4	0	99	0.00	0.0	6.979	0.000	4	0	1	1	L
L 484941	PL.20050	A	Consumer	7.00Y	116.6	0.00	9.37	0.00	0	0	0	100	0.00	0.0	6.979	0.000	0	0	0	0	L
L 484923	PL.20050	A	Consumer	7.00Y	116.6	0.00	9.37	0.43	0	3	0	99	0.00	0.0	6.979	0.000	3	0	1	1	L
L PL.39605	PL.20050	A	4ACSR	7.00Y	116.6	0.00	9.37	0.73	0	5	1	99	0.00	0.0	7.004	0.025	0	0	0	2	L
L PL.39604	PL.39605	A	4ACSR	7.00Y	116.6	0.00	9.37	0.73	0	5	1	99	0.00	0.0	7.015	0.011	0	0	0	2	L
L 484914	PL.39604	A	Consumer	7.00Y	116.6	0.00	9.37	0.31	0	2	0	99	0.00	0.0	7.015	0.000	2	0	1	1	L
L 484911	PL.39604	A	Consumer	7.00Y	116.6	0.00	9.37	0.42	0	3	0	99	0.00	0.0	7.015	0.000	3	0	1	1	L
L 484932	PL.20051	A	Consumer	7.00Y	116.6	0.00	9.37	0.37	0	3	0	99	0.00	0.0	6.941	0.000	3	0	1	1	L
L 484912	PL.42814	A	Consumer	7.00Y	116.6	0.00	9.36	0.66	0	5	0	99	0.00	0.0	6.889	0.000	5	0	1	1	L
L 484917	PL.42814	A	Consumer	7.00Y	116.6	0.00	9.36	0.32	0	2	0	99	0.00	0.0	6.889	0.000	2	0	1	1	L
L PL.45444	PL.42812	A	336ACSR	7.00Y	116.6	0.01	9.36	31.60	4	220	23	99	0.06	0.0	6.884	0.047	0	0	0	26	L
L		B		6.58Y	109.6	0.02	16.37	52.98	7	335	96	96					0	0	0	35	L
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PL.45445	PL.45444	A	336ACSR	7.00Y	116.6	0.01	9.37	30.92	4	215	22	99	0.05	0.0	6.923	0.039	0	0	0	25	L
L		B		6.58Y	109.6	0.02	16.39	52.98	7	335	96	96					0	0	0	35	L
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PL.42817	PL.45445	B	2ACSR	6.58Y	109.6	0.00	16.39	0.66	0	4	0	99	0.00	0.0	6.927	0.005	0	0	0	1	L
L PD.8509	PL.42817	B	fuse6AMP	6.58Y	109.6	0.00	16.39	0.66	11	4	0	99	0.00	0.0	6.927	0.000	0	0	0	1	L
L PL.42816	PD.8509	B	2ACSR	6.58Y	109.6	0.00	16.39	0.66	0	4	0	99	0.00	0.0	6.977	0.049	0	0	0	1	L
L 484905	PL.42816	B	Consumer	6.58Y	109.6	0.00	16.39	0.66	0	4	0	99	0.00	0.0	6.977	0.000	4	0	1	1	L
L 484952	PL.45445	B	Consumer	6.58Y	109.6	0.00	16.39	0.55	0	4	0	99	0.00	0.0	6.923	0.000	4	0	1	1	L
L PL.42818	PL.45445	A	336ACSR	7.00Y	116.6	0.02	9.39	30.92	4	215	22	99	0.12	0.0	7.016	0.094	0	0	0	25	L
L		B		6.57Y	109.6	0.04	16.44	51.80	7	327	95	96					0	0	0	33	L
		C		7.17Y	119.5	-0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PL.42823	PL.42818	A	4ACSR	7.00Y	116.6	0.00	9.39	0.00	0	0	0	100	0.00	0.0	7.020	0.003	0	0	0	0	L
L PD.8143	PL.42823	A	fuse6AMP	7.00Y	116.6	0.00	9.39	0.00	0	0	0	100	0.00	0.0	7.020	0.000	0	0	0	0	L
L PL.43245	PL.42818	A	336ACSR	7.00Y	116.6	0.01	9.40	30.92	4	215	22	99	0.05	0.0	7.061	0.045	0	0	0	25	L
L		B		6.57Y	109.5	0.02	16.46	49.87	7	314	94	96					0	0	0	29	L
		C		7.17Y	119.5	0.00	6.49	25.93	4	185	21	99					0	0	0	33	
L PL.43246	PL.43245	A	336ACSR	6.99Y	116.6	0.02	9.42	30.92	4	215	22	99	0.11	0.0	7.153	0.092	0	0	0	25	L
L		B		6.57Y	109.5	0.04	16.50	49.88	7	314	94	96					0	0	0	29	L
		C		7.17Y	119.5	-0.00	6.49	24.74	3	176	21	99					0	0	0	32	
L PL.42831	PL.43246	B	1/0EPRJCN	6.57Y	109.5	0.00	16.50	1.00	1	7	0	100	0.00	0.0	7.159	0.006	0	0	0	1	L
L PD.5176	PL.42831	B	fuse6AMP	6.57Y	109.5	0.00	16.50	1.00	17	7	1	100	0.00	0.0	7.159	0.000	0	0	0	1	L
L PL.42832	PD.5176	B	1/0EPRJCN	6.57Y	109.5	0.00	16.50	1.00	1	7	1	100	0.00	0.0	7.205	0.047	0	0	0	1	L
L 4342116	PL.42832	B	Consumer	6.57Y	109.5	0.00	16.50	0.00	0	0	0	100	0.00	0.0	7.205	0.000	0	0	0	0	L
L 4342106	PL.42832	B	Consumer	6.57Y	109.5	0.00	16.50	1.00	0	7	1	99	0.00	0.0	7.205	0.000	7	1	1	1	L
L PL.42843	PL.43246	B	4ACSR	6.57Y	109.5	0.00	16.50	3.26	2	21	2	99	0.00	0.0	7.158	0.005	0	0	0	2	L

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss	
L PD.8145	PL.42843	B	fuse6AMP	6.57Y	109.5	0.00	16.50	3.26	56	21	2	99	0.00	0.0	7.158	0.000	0	0	0	2	L
L PL.42844	PD.8145	B	4ACSR	6.57Y	109.5	0.00	16.50	3.26	2	21	2	99	0.00	0.0	7.184	0.026	0	0	0	2	L
L PL.6505	PL.42844	B	4ACSR	6.57Y	109.5	0.00	16.51	1.13	1	7	1	99	0.00	0.0	7.252	0.068	0	0	0	1	L
L 434283	PL.6505	B	Consumer	6.57Y	109.5	0.00	16.51	1.13	0	7	1	99	0.00	0.0	7.252	0.000	7	1	1	1	L
L 434297	PL.42844	B	Consumer	6.57Y	109.5	0.00	16.50	2.13	0	14	1	99	0.00	0.0	7.184	0.000	14	1	1	1	L
L PL.42834	PL.43246	A	336ACSR	6.99Y	116.6	0.01	9.43	30.92	4	215	22	99	0.03	0.0	7.180	0.027	0	0	0	25	L
L		B		6.57Y	109.5	0.01	16.51	45.70	6	286	91	95					0	0	0	26	L
		C		7.17Y	119.5	0.00	6.49	24.74	3	176	21	99					0	0	0	32	
L PL.42846	PL.42834	A	336ACSR	6.99Y	116.6	0.00	9.43	10.95	1	76	8	99	0.09	0.0	7.293	0.113	0	0	0	7	L
L		B		6.57Y	109.4	0.06	16.57	41.06	6	255	87	95					0	0	0	23	L
		C		7.17Y	119.5	-0.00	6.49	24.74	3	176	21	99					0	0	0	32	
L PL.42850	PL.42846	A	336ACSR	6.99Y	116.6	-0.00	9.43	0.00	0	0	0	100	0.02	0.0	7.313	0.020	0	0	0	0	L
L		B		6.57Y	109.4	0.01	16.58	41.06	6	255	87	95					0	0	0	23	L
		C		7.17Y	119.5	-0.00	6.49	24.74	3	176	21	99					0	0	0	32	
L PL.42852	PL.42850	A	336ACSR	6.99Y	116.6	-0.00	9.43	0.00	0	0	0	100	0.03	0.0	7.346	0.033	0	0	0	0	L
L		B		6.56Y	109.4	0.02	16.60	39.84	5	247	86	94					0	0	0	22	L
		C		7.17Y	119.5	-0.00	6.48	24.74	3	176	21	99					0	0	0	32	
L PL.42854	PL.42852	A	336ACSR	6.99Y	116.6	-0.01	9.42	0.00	0	0	0	100	0.06	0.0	7.425	0.080	0	0	0	0	L
L		B		6.56Y	109.4	0.05	16.65	39.52	5	245	86	94					0	0	0	21	L
		C		7.17Y	119.5	-0.00	6.48	24.74	3	176	20	99					0	0	0	32	
L 434264	PL.42854	A	Consumer	6.99Y	116.6	0.00	9.42	0.00	0	0	0	100	0.00	0.0	7.425	0.000	0	0	0	0	L
L 434263	PL.42854	B	Consumer	6.56Y	109.4	0.00	16.65	2.10	0	14	1	99	0.00	0.0	7.425	0.000	14	1	1	1	L
L PL.42855	PL.42854	B	4ACSR	6.56Y	109.3	0.01	16.66	37.48	19	231	85	94	0.02	0.0	7.431	0.006	0	0	0	20	L
L PD.8148	PL.42855	B	25L	6.56Y	109.3	0.00	16.66	37.48	150	231	85	94	0.00	0.0	7.431	0.000	0	0	0	20	L
L PL.42856	PD.8148	B	4ACSR	6.56Y	109.3	0.04	16.70	37.48	19	231	85	94	0.08	0.0	7.456	0.025	0	0	0	20	L
L PL.31883	PL.42856	B	4ACSR	6.56Y	109.3	0.01	16.71	37.48	19	231	85	94	0.02	0.0	7.461	0.005	0	0	0	20	L
L PL.6418	PL.31883	B	4ACSR	6.55Y	109.2	0.13	16.84	35.55	18	218	83	93	0.24	0.1	7.541	0.080	0	0	0	19	L
L PL.39856	PL.6418	B	4ACSR	6.55Y	109.2	0.00	16.84	0.00	0	0	0	100	0.00	0.0	7.545	0.004	0	0	0	0	L
L PD.7129	PL.39856	B	fuse6AMP	6.55Y	109.2	0.00	16.84	0.00	0	0	0	100	0.00	0.0	7.545	0.000	0	0	0	0	L
L PL.11601	PL.6418	B	4ACSR	6.53Y	108.9	0.27	17.11	34.62	18	211	82	93	0.48	0.2	7.710	0.169	0	0	0	18	L
L PL.39857	PL.11601	B	4ACSR	6.53Y	108.9	0.01	17.11	20.35	10	120	57	90	0.01	0.0	7.716	0.006	0	0	0	6	L
L PD.7130	PL.39857	B	fuse6AMP	6.53Y	108.9	0.00	17.11	20.35	348	120	57	90	0.00	0.0	7.716	0.000	0	0	0	6	L
L PL.39858	PD.7130	B	4ACSR	6.53Y	108.8	0.07	17.18	20.35	10	120	57	90	0.07	0.1	7.786	0.070	0	0	0	6	L
L PL.27652	PL.39858	B	4ACSR	6.53Y	108.8	0.03	17.21	11.17	6	66	31	91	0.02	0.0	7.852	0.066	0	0	0	4	L
L PL.27653	PL.27652	B	4ACSR	6.53Y	108.8	0.02	17.23	9.39	5	56	26	91	0.01	0.0	7.901	0.049	0	0	0	3	L
L 434242	PL.27653	B	Consumer	6.53Y	108.8	0.00	17.23	1.13	0	7	3	90	0.00	0.0	7.901	0.000	7	3	1	1	L
L 434253	PL.27653	B	Consumer	6.53Y	108.8	0.00	17.23	0.51	0	3	0	99	0.00	0.0	7.901	0.000	3	0	1	1	L
L 434249	PL.27653	B	Consumer	6.53Y	108.8	0.00	17.23	7.77	0	46	22	90	0.00	0.0	7.901	0.000	46	22	1	1	L
L 434260	PL.27652	B	Consumer	6.53Y	108.8	0.00	17.21	1.78	0	10	5	90	0.00	0.0	7.852	0.000	10	5	1	1	L
L PL.11600	PL.39858	B	4ACSR	6.53Y	108.8	0.04	17.22	9.18	5	54	26	90	0.02	0.0	7.885	0.098	0	0	0	2	L
L 434240	PL.11600	B	Consumer	6.53Y	108.8	0.00	17.22	2.42	0	14	7	90	0.00	0.0	7.885	0.000	14	7	1	1	L
L 4342103	PL.11600	B	Consumer	6.53Y	108.8	0.00	17.22	6.76	0	40	19	90	0.00	0.0	7.885	0.000	40	19	1	1	L
L PL.12067	PL.11601	B	4ACSR	6.53Y	108.8	0.06	17.16	14.39	7	91	25	96	0.04	0.0	7.796	0.086	0	0	0	11	L

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru		
							Accum Drop	Thru % Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss	
L 434285	PL.12067	B	Consumer	6.53Y	108.8	0.00	17.16	0.00	0	0	0	100	0.00	0.0	7.796	0.000	0	0	0	0	L
L PL.6419	PL.12067	B	4ACSR	6.53Y	108.8	0.06	17.22	14.39	7	91	25	96	0.05	0.1	7.889	0.093	0	0	0	11	L
L PL.30971	PL.6419	B	4ACSR	6.52Y	108.7	0.05	17.27	14.39	7	91	25	96	0.04	0.0	7.972	0.083	0	0	0	11	L
L PL.30972	PL.30971	B	4ACSR	6.52Y	108.7	0.01	17.28	14.39	7	90	25	96	0.00	0.0	7.981	0.009	0	0	0	11	L
L PL.39626	PL.30972	B	4ACSR	6.52Y	108.7	0.00	17.28	0.11	0	1	0	99	0.00	0.0	7.982	0.002	0	0	0	1	L
L PD.7002-A	PL.39626	B	Closed	6.52Y	108.7	0.00	17.28	0.11	0	1	0	99	0.00	0.0	7.982	0.000	0	0	0	1	L
L PD.7002-B	PD.7002-A	B	Closed	6.52Y	108.7	0.00	17.28	0.11	0	1	0	99	0.00	0.0	7.982	0.000	0	0	0	1	L
L PL.39627	PD.7002-B	B	4ACSR	6.52Y	108.7	0.00	17.28	0.11	0	1	0	99	0.00	0.0	7.987	0.005	0	0	0	1	L
L PL.39623	PL.39627	B	4ACSR	6.52Y	108.7	0.00	17.28	0.11	0	1	0	99	0.00	0.0	8.159	0.171	0	0	0	1	L
L PL.11598	PL.39623	B	4ACSR	6.52Y	108.7	0.00	17.28	0.11	0	1	0	99	0.00	0.0	8.217	0.058	0	0	0	1	L
L 434237	PL.11598	B	Consumer	6.52Y	108.7	0.00	17.28	0.11	0	1	0	99	0.00	0.0	8.217	0.000	1	0	1	1	L
L PL.40548	PL.11598	B	4ACSR	6.52Y	108.7	0.00	17.28	0.00	0	0	0	100	0.00	0.0	8.266	0.049	0	0	0	0	L
L PD.7220-A	PL.40548	B	Open	6.52Y	108.7	0.00	17.28	0.00	0	0	0	100	0.00	0.0	8.266	0.000	0	0	0	0	L
L PL.27567	PL.30972	B	4ACSR	6.52Y	108.7	0.00	17.28	1.19	1	8	1	99	0.00	0.0	7.999	0.019	0	0	0	3	L
L PD.1390	PL.27567	B	fuse6AMP	6.52Y	108.7	0.00	17.28	1.19	20	8	1	99	0.00	0.0	7.999	0.000	0	0	0	3	L
L PL.27568	PD.1390	B	4ACSR	6.52Y	108.7	0.00	17.29	1.19	1	8	1	99	0.00	0.0	8.093	0.094	0	0	0	3	L
L PL.2529	PL.27568	B	4ACSR	6.52Y	108.7	0.00	17.29	1.19	1	8	1	99	0.00	0.0	8.141	0.048	0	0	0	3	L
L PL.18004	PL.2529	B	4ACSR	6.52Y	108.7	0.00	17.29	1.19	1	8	1	99	0.00	0.0	8.142	0.001	0	0	0	3	L
L 434247	PL.18004	B	Consumer	6.52Y	108.7	0.00	17.29	0.00	0	0	0	100	0.00	0.0	8.142	0.000	0	0	1	1	L
L PL.2530	PL.18004	B	4ACSR	6.52Y	108.7	0.00	17.29	1.19	1	8	1	99	0.00	0.0	8.168	0.026	0	0	0	1	L
L 434251	PL.2530	B	Consumer	6.52Y	108.7	0.00	17.29	1.19	0	8	1	99	0.00	0.0	8.168	0.000	8	1	1	1	L
L PL.18005	PL.18004	B	4ACSR	6.52Y	108.7	0.00	17.29	0.00	0	0	0	100	0.00	0.0	8.185	0.043	0	0	0	1	L
L 434316	PL.18005	B	Consumer	6.52Y	108.7	0.00	17.29	0.00	0	0	0	100	0.00	0.0	8.185	0.000	0	0	1	1	L
L PL.11594	PL.30972	B	4ACSR	6.52Y	108.7	0.00	17.28	13.12	7	82	24	96	0.00	0.0	7.984	0.003	0	0	0	7	L
L PD.6999-A	PL.11594	B	Closed	6.52Y	108.7	0.00	17.28	13.12	0	82	24	96	0.00	0.0	7.984	0.000	0	0	0	7	L
L PD.6999-B	PD.6999-A	B	Closed	6.52Y	108.7	0.00	17.28	13.12	0	82	24	96	0.00	0.0	7.984	0.000	0	0	0	7	L
L PL.27565	PD.6999-B	B	4ACSR	6.52Y	108.7	0.01	17.29	13.12	7	82	24	96	0.00	0.0	7.994	0.010	0	0	0	7	L
L PL.27566	PL.27565	B	4ACSR	6.52Y	108.6	0.08	17.36	13.12	7	82	24	96	0.05	0.1	8.121	0.127	0	0	0	7	L
L PL.2533	PL.27566	B	4ACSR	6.52Y	108.6	0.02	17.39	9.61	5	59	22	94	0.01	0.0	8.174	0.053	0	0	0	3	L
L PL.2534	PL.2533	B	4ACSR	6.51Y	108.6	0.03	17.42	9.61	5	59	22	94	0.02	0.0	8.247	0.073	0	0	0	3	L
L PL.2535	PL.2534	B	4ACSR	6.51Y	108.6	0.02	17.44	9.61	5	59	22	94	0.01	0.0	8.300	0.053	0	0	0	3	L
L 434255	PL.2535	B	Consumer	6.51Y	108.6	0.00	17.44	0.00	0	0	0	100	0.00	0.0	8.300	0.000	0	0	0	0	L
L PL.43726	PL.2535	B	4ACSR	6.51Y	108.5	0.01	17.46	7.01	4	41	20	90	0.01	0.0	8.345	0.045	0	0	0	2	L
L PD.8319	PL.43726	B	fuse6AMP	6.51Y	108.5	0.00	17.46	7.01	120	41	20	90	0.00	0.0	8.345	0.000	0	0	0	2	L
L PL.43727	PD.8319	B	4ACSR	6.51Y	108.5	0.05	17.51	7.01	4	41	20	90	0.02	0.0	8.502	0.157	0	0	0	2	L
L PL.6420	PL.43727	B	4ACSR	6.51Y	108.5	0.01	17.52	7.01	4	41	20	90	0.00	0.0	8.527	0.025	0	0	0	2	L
L PL.6421	PL.6420	B	4ACSR	6.51Y	108.5	0.00	17.52	0.58	0	3	2	90	0.00	0.0	8.560	0.033	0	0	0	1	L
L 434322	PL.6421	B	Consumer	6.51Y	108.5	0.00	17.52	0.58	0	3	2	90	0.00	0.0	8.560	0.000	3	2	1	1	L

Unbalanced Voltage Drop Report
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Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru			
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss		
L 434218	PL.6420	B	Consumer	6.51Y	108.5	0.00	17.52	6.43	0	38	18	90	0.00	0.0	8.527	0.000	38	18	1	1	L	
L PL.39624	PL.2535	B	4ACSR	6.51Y	108.6	0.00	17.44	2.72	1	18	2	99	0.00	0.0	8.306	0.006	0	0	0	0	1	L
L PD.7001	PL.39624	B	fuse6AMP	6.51Y	108.6	0.00	17.44	2.72	46	18	2	99	0.00	0.0	8.306	0.000	0	0	0	0	1	L
L PL.39625	PD.7001	B	4ACSR	6.51Y	108.6	0.00	17.45	2.72	1	18	2	99	0.00	0.0	8.342	0.036	0	0	0	0	1	L
L 434267	PL.39625	B	Consumer	6.51Y	108.6	0.00	17.45	2.72	0	18	2	99	0.00	0.0	8.342	0.000	18	2	1	1	L	
L PL.2531	PL.27566	B	4ACSR	6.52Y	108.6	0.01	17.37	3.59	2	23	2	99	0.00	0.0	8.169	0.048	0	0	0	0	4	L
L 434210	PL.2531	B	Consumer	6.52Y	108.6	0.00	17.37	3.16	0	20	2	99	0.00	0.0	8.169	0.000	20	2	1	1	L	
L PL.2532	PL.2531	B	4ACSR	6.52Y	108.6	0.00	17.37	0.43	0	3	0	99	0.00	0.0	8.230	0.060	0	0	0	0	3	L
L PL.2538	PL.2532	B	4ACSR	6.52Y	108.6	0.00	17.37	0.30	0	2	0	99	0.00	0.0	8.302	0.072	0	0	0	0	2	L
L 434243	PL.2538	B	Consumer	6.52Y	108.6	0.00	17.37	0.28	0	2	0	99	0.00	0.0	8.302	0.000	2	0	1	1	L	
L 434244	PL.2538	B	Consumer	6.52Y	108.6	0.00	17.37	0.01	0	0	0	99	0.00	0.0	8.302	0.000	0	0	1	1	L	
L 434259	PL.2532	B	Consumer	6.52Y	108.6	0.00	17.37	0.00	0	0	0	100	0.00	0.0	8.230	0.000	0	0	0	0	0	L
L 434239	PL.2532	B	Consumer	6.52Y	108.6	0.00	17.37	0.14	0	1	0	99	0.00	0.0	8.230	0.000	1	0	1	1	L	
L 434246	PL.11601	B	Consumer	6.53Y	108.9	0.00	17.11	0.00	0	0	0	100	0.00	0.0	7.710	0.000	0	0	1	1	L	
L PL.42859	PL.6418	B	4ACSR	6.55Y	109.2	0.00	16.84	0.97	0	6	1	99	0.00	0.0	7.598	0.058	0	0	0	0	1	L
L 434269	PL.42859	B	Consumer	6.55Y	109.2	0.00	16.84	0.97	0	6	1	99	0.00	0.0	7.598	0.000	6	1	1	1	L	
L 4342101	PL.31883	B	Consumer	6.56Y	109.3	0.00	16.71	2.00	0	13	1	99	0.00	0.0	7.461	0.000	13	1	1	1	L	
L 434256	PL.31883	B	Consumer	6.56Y	109.3	0.00	16.71	0.00	0	0	0	100	0.00	0.0	7.461	0.000	0	0	0	0	0	L
C PD.8149	PL.42858	C	25L	7.17Y	119.5	0.00	6.49	24.74	99	176	20	99	0.00	0.0	7.433	0.000	0	0	0	0	32	C
C PD.7097	PL.39408	C	fuse6AMP	7.16Y	119.4	0.00	6.60	6.00	103	43	4	99	0.00	0.0	7.548	0.000	0	0	0	0	8	C
C PD.7099	PL.39412	C	fuse6AMP	7.15Y	119.2	0.00	6.76	8.30	142	59	6	99	0.00	0.0	7.813	0.000	0	0	0	0	9	C
L 434221	PL.42852	B	Consumer	6.56Y	109.4	0.00	16.60	0.33	0	2	0	99	0.00	0.0	7.346	0.000	2	0	1	1	L	
L 434238	PL.42850	B	Consumer	6.57Y	109.4	0.00	16.58	1.25	0	8	1	99	0.00	0.0	7.313	0.000	8	1	1	1	L	
L PL.42849	PL.42846	A	336ACSR	6.99Y	116.6	0.00	9.43	10.95	1	76	8	99	0.00	0.0	7.298	0.005	0	0	0	0	7	L
L PD.1389	PL.42849	A	fuse6AMP	6.99Y	116.6	0.00	9.43	10.95	187	76	8	99	0.00	0.0	7.298	0.000	0	0	0	0	7	L
L PL.42848	PD.1389	A	336ACSR	6.99Y	116.6	0.00	9.44	10.95	1	76	8	99	0.00	0.0	7.320	0.022	0	0	0	0	7	L
L PL.12069	PL.42848	A	4ACSR	6.99Y	116.6	0.00	9.44	9.14	5	64	7	99	0.00	0.0	7.326	0.006	0	0	0	0	6	L
L PL.12070	PL.12069	A	4ACSR	6.99Y	116.5	0.01	9.45	9.14	5	64	7	99	0.01	0.0	7.360	0.035	0	0	0	0	6	L
L PL.18686	PL.12070	A	4ACSR	6.99Y	116.5	0.01	9.46	7.79	4	54	6	99	0.01	0.0	7.400	0.039	0	0	0	0	5	L
L PL.42565	PL.18686	A	4ACSR	6.99Y	116.5	0.00	9.47	2.51	1	17	2	99	0.00	0.0	7.434	0.034	0	0	0	0	2	L
L PL.42566	PL.42565	A	4ACSR	6.99Y	116.5	0.02	9.49	2.51	1	17	2	99	0.00	0.0	7.623	0.189	0	0	0	0	2	L
L PL.33741	PL.42566	A	4ACSR	6.99Y	116.5	0.00	9.49	2.51	1	17	2	99	0.00	0.0	7.654	0.031	0	0	0	0	2	L
L 434282	PL.33741	A	Consumer	6.99Y	116.5	0.00	9.49	1.67	0	12	1	99	0.00	0.0	7.654	0.000	12	1	1	1	L	
L 4342108	PL.33741	A	Consumer	6.99Y	116.5	0.00	9.49	0.84	0	6	1	99	0.00	0.0	7.654	0.000	6	1	1	1	L	
L PL.33742	PL.42566	A	2ACSR	6.99Y	116.5	0.00	9.49	0.00	0	0	0	100	0.00	0.0	7.679	0.057	0	0	0	0	0	L
L PD.4018	PL.33742	A	fuse6AMP	6.99Y	116.5	0.00	9.49	0.00	0	0	0	100	0.00	0.0	7.679	0.000	0	0	0	0	0	L
L PL.45607	PD.4018	A	2ACSR	6.99Y	116.5	0.00	9.49	0.00	0	0	0	100	0.00	0.0	7.787	0.107	0	0	0	0	0	L
L 4342119	PL.45607	A	Consumer	6.99Y	116.5	0.00	9.49	0.00	0	0	0	100	0.00	0.0	7.787	0.000	0	0	0	0	0	L

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Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	% PF	kW Loss	% Loss								
L 4342115	PL.45607	A	Consumer	6.99Y	116.5	0.00	9.49	0.00	0	0	0	100	0.00	0.0	7.787	0.000	0	0	0	0	L
L PL.45608	PL.45607	A	2ACSR	6.99Y	116.5	0.00	9.49	0.00	0	0	0	100	0.00	0.0	7.996	0.209	0	0	0	0	L
L 4342114	PL.45608	A	Consumer	6.99Y	116.5	0.00	9.49	0.00	0	0	0	100	0.00	0.0	7.996	0.000	0	0	0	0	L
L 4342111	PL.42565	A	Consumer	6.99Y	116.5	0.00	9.47	0.00	0	0	0	100	0.00	0.0	7.434	0.000	0	0	0	0	L
L PL.33923	PL.18686	A	2ACSR	6.99Y	116.5	0.00	9.46	0.00	0	0	0	100	0.00	0.0	7.431	0.032	0	0	0	0	L
L 434292	PL.18686	A	Consumer	6.99Y	116.5	0.00	9.46	1.21	0	8	1	99	0.00	0.0	7.400	0.000	8	1	1	1	L
L 4342104	PL.18686	A	Consumer	6.99Y	116.5	0.00	9.46	1.95	0	14	1	99	0.00	0.0	7.400	0.000	14	1	1	1	L
L 434298	PL.18686	A	Consumer	6.99Y	116.5	0.00	9.46	2.12	0	15	2	99	0.00	0.0	7.400	0.000	15	2	1	1	L
L 434291	PL.12070	A	Consumer	6.99Y	116.5	0.00	9.45	1.35	0	9	1	99	0.00	0.0	7.360	0.000	9	1	1	1	L
L PL.12073	PL.42848	A	336ACSR	6.99Y	116.6	0.00	9.44	0.00	0	0	0	100	0.00	0.0	7.322	0.002	0	0	0	0	L
L 4342102	PL.42848	A	Consumer	6.99Y	116.6	0.00	9.44	1.81	0	13	1	99	0.00	0.0	7.320	0.000	13	1	1	1	L
L PL.42841	PL.42834	B	4ACSR	6.57Y	109.5	0.00	16.51	4.75	2	31	3	99	0.00	0.0	7.186	0.006	0	0	0	3	L
L PD.7194-A	PL.42841	B	Closed	6.57Y	109.5	0.00	16.51	4.75	0	31	3	99	0.00	0.0	7.186	0.000	0	0	0	3	L
L PD.7194-B	PD.7194-A	B	Closed	6.57Y	109.5	0.00	16.51	4.75	0	31	3	99	0.00	0.0	7.186	0.000	0	0	0	3	L
L PL.42842	PD.7194-B	B	4ACSR	6.57Y	109.5	0.01	16.52	4.75	2	31	3	99	0.00	0.0	7.224	0.038	0	0	0	3	L
L PL.6417	PL.42842	B	4ACSR	6.57Y	109.5	0.00	16.52	0.00	0	0	0	100	0.00	0.0	7.273	0.049	0	0	0	0	L
L 434236	PL.6417	B	Consumer	6.57Y	109.5	0.00	16.52	0.00	0	0	0	100	0.00	0.0	7.273	0.000	0	0	0	0	L
L 434232	PL.42842	B	Consumer	6.57Y	109.5	0.00	16.52	1.47	0	10	1	99	0.00	0.0	7.224	0.000	10	1	1	1	L
L 4342113	434232	B	Consumer	6.57Y	109.5	0.00	16.52	0.00	0	0	0	100	0.00	0.0	7.224	0.000	0	0	0	0	L
L 434252	PL.42842	B	Consumer	6.57Y	109.5	0.00	16.52	1.73	0	11	1	99	0.00	0.0	7.224	0.000	11	1	1	1	L
L 434278	PL.42842	B	Consumer	6.57Y	109.5	0.00	16.52	1.55	0	10	1	99	0.00	0.0	7.224	0.000	10	1	1	1	L
L 434268	PL.42842	B	Consumer	6.57Y	109.5	0.00	16.52	0.00	0	0	0	100	0.00	0.0	7.224	0.000	0	0	0	0	L
L PL.42839	PL.42834	A	4ACSR	6.99Y	116.6	0.00	9.43	19.98	10	139	15	99	0.00	0.0	7.186	0.005	0	0	0	18	L
L PD.6994	PL.42839	A	25L	6.99Y	116.6	0.00	9.43	19.98	80	139	15	99	0.00	0.0	7.186	0.000	0	0	0	18	L
L PL.42840	PD.6994	A	4ACSR	6.99Y	116.5	0.05	9.48	19.98	10	139	15	99	0.06	0.0	7.246	0.060	0	0	0	18	L
L 4342107	PL.42840	A	Consumer	6.99Y	116.5	0.00	9.48	1.01	0	7	1	99	0.00	0.0	7.246	0.000	7	1	1	1	L
L 434271	PL.42840	A	Consumer	6.99Y	116.5	0.00	9.48	1.61	0	11	1	99	0.00	0.0	7.246	0.000	11	1	1	1	L
L PL.42838	PL.42840	A	4ACSR	6.99Y	116.4	0.08	9.56	17.36	9	121	13	99	0.08	0.1	7.352	0.106	0	0	0	16	L
L PL.39307	PL.42838	A	2ACSR	6.99Y	116.4	0.00	9.56	0.05	0	0	0	99	0.00	0.0	7.356	0.004	0	0	0	1	L
L PD.6897	PL.39307	A	fuse6AMP	6.99Y	116.4	0.00	9.56	0.05	1	0	0	99	0.00	0.0	7.356	0.000	0	0	0	1	L
L PL.39308	PD.6897	A	2ACSR	6.99Y	116.4	0.00	9.56	0.05	0	0	0	99	0.00	0.0	7.386	0.030	0	0	0	1	L
L 4342109	PL.39308	A	Consumer	6.99Y	116.4	0.00	9.56	0.05	0	0	0	99	0.00	0.0	7.386	0.000	0	0	1	1	L
L PL.19819	PL.42838	A	4ACSR	6.98Y	116.4	0.04	9.60	17.30	9	120	13	99	0.04	0.0	7.402	0.050	0	0	0	14	L
L PL.17471	PL.19819	A	4ACSR	6.98Y	116.4	0.03	9.62	15.05	8	105	11	99	0.02	0.0	7.443	0.041	0	0	0	12	L
L PL.6437	PL.17471	A	4ACSR	6.98Y	116.4	0.00	9.63	15.03	8	104	11	99	0.00	0.0	7.444	0.002	0	0	0	11	L
L PL.14333	PL.6437	A	4ACSR	6.98Y	116.4	0.02	9.65	15.03	8	104	11	99	0.02	0.0	7.476	0.032	0	0	0	11	L
L PL.27860	PL.14333	A	4ACSR	6.98Y	116.3	0.02	9.66	12.03	6	84	9	99	0.01	0.0	7.511	0.035	0	0	0	9	L
L PL.27861	PL.27860	A	4ACSR	6.98Y	116.3	0.03	9.69	9.89	5	69	7	99	0.02	0.0	7.578	0.067	0	0	0	7	L

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru			
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss		
L 434288	PL.27861	A	Consumer	6.98Y	116.3	0.00	9.69	0.65	0	5	0	99	0.00	0.0	7.578	0.000	5	0	1	1	L	
L PL.14335	PL.27861	A	4ACSR	6.98Y	116.3	0.06	9.75	9.23	5	64	7	99	0.03	0.0	7.726	0.148	0	0	0	0	6	L
L PL.14336	PL.14335	A	4ACSR	6.97Y	116.2	0.01	9.76	4.65	2	32	3	99	0.00	0.0	7.772	0.046	0	0	0	0	4	L
L PL.39316	PL.14336	A	4ACSR	6.97Y	116.2	0.00	9.76	2.57	1	18	2	99	0.00	0.0	7.775	0.003	0	0	0	0	2	L
L PD.6900	PL.39316	A	fuse6AMP	6.97Y	116.2	0.00	9.76	2.57	44	18	2	99	0.00	0.0	7.775	0.000	0	0	0	0	2	L
L PL.39317	PD.6900	A	4ACSR	6.97Y	116.2	0.00	9.76	2.57	1	18	2	99	0.00	0.0	7.802	0.027	0	0	0	0	2	L
L PL.2447	PL.39317	A	4ACSR	6.97Y	116.2	0.00	9.76	2.57	1	18	2	99	0.00	0.0	7.825	0.023	0	0	0	0	2	L
L 434281	PL.2447	A	Consumer	6.97Y	116.2	0.00	9.76	1.09	0	8	1	99	0.00	0.0	7.825	0.000	8	1	1	1	1	L
L 434287	PL.2447	A	Consumer	6.97Y	116.2	0.00	9.76	1.48	0	10	1	99	0.00	0.0	7.825	0.000	10	1	1	1	1	L
L PL.14337	PL.14336	A	4ACSR	6.97Y	116.2	0.00	9.76	2.08	1	14	1	99	0.00	0.0	7.822	0.050	0	0	0	0	2	L
L PL.14338	PL.14337	A	4ACSR	6.97Y	116.2	0.00	9.76	1.39	1	10	1	99	0.00	0.0	7.872	0.050	0	0	0	0	1	L
L 434286	PL.14338	A	Consumer	6.97Y	116.2	0.00	9.76	1.39	0	10	1	99	0.00	0.0	7.872	0.000	10	1	1	1	1	L
L PL.39318	PL.14337	A	4ACSR	6.97Y	116.2	0.00	9.76	0.69	0	5	0	99	0.00	0.0	7.824	0.002	0	0	0	0	1	L
L PD.6901	PL.39318	A	fuse6AMP	6.97Y	116.2	0.00	9.76	0.69	12	5	0	99	0.00	0.0	7.824	0.000	0	0	0	0	1	L
L PL.39319	PD.6901	A	4ACSR	6.97Y	116.2	0.00	9.76	0.69	0	5	0	99	0.00	0.0	7.878	0.055	0	0	0	0	1	L
L 4342100	PL.39319	A	Consumer	6.97Y	116.2	0.00	9.76	0.69	0	5	0	99	0.00	0.0	7.878	0.000	5	0	1	1	1	L
L PL.6440	PL.14335	A	4ACSR	6.98Y	116.3	0.00	9.75	4.58	2	32	3	99	0.00	0.0	7.728	0.002	0	0	0	0	2	L
L 434289	PL.6440	A	Consumer	6.98Y	116.3	0.00	9.75	1.67	0	12	1	99	0.00	0.0	7.728	0.000	12	1	1	1	1	L
L PL.39320	PL.6440	A	4ACSR	6.98Y	116.3	0.00	9.75	2.91	1	20	2	99	0.00	0.0	7.730	0.003	0	0	0	0	1	L
L PD.6902	PL.39320	A	fuse6AMP	6.98Y	116.3	0.00	9.75	2.91	50	20	2	99	0.00	0.0	7.730	0.000	0	0	0	0	1	L
L PL.39321	PD.6902	A	4ACSR	6.97Y	116.2	0.01	9.76	2.91	1	20	2	99	0.00	0.0	7.782	0.052	0	0	0	0	1	L
L 434290	PL.39321	A	Consumer	6.97Y	116.2	0.00	9.76	2.91	0	20	2	99	0.00	0.0	7.782	0.000	20	2	1	1	1	L
L 434294	PL.27860	A	Consumer	6.98Y	116.3	0.00	9.66	0.00	0	0	0	100	0.00	0.0	7.511	0.000	0	0	1	1	1	L
L 434275	PL.27860	A	Consumer	6.98Y	116.3	0.00	9.66	2.14	0	15	2	99	0.00	0.0	7.511	0.000	15	2	1	1	1	L
L PL.39311	PL.14333	A	4ACSR	6.98Y	116.4	0.00	9.65	3.00	2	21	2	99	0.00	0.0	7.479	0.003	0	0	0	0	2	L
L PD.6899	PL.39311	A	fuse6AMP	6.98Y	116.4	0.00	9.65	3.00	51	21	2	99	0.00	0.0	7.479	0.000	0	0	0	0	2	L
L PL.39314	PD.6899	A	4ACSR	6.98Y	116.4	0.00	9.65	3.00	2	21	2	99	0.00	0.0	7.482	0.003	0	0	0	0	2	L
L PL.39315	PL.39314	A	4ACSR	6.98Y	116.4	0.00	9.65	1.05	1	7	1	99	0.00	0.0	7.531	0.049	0	0	0	0	1	L
L 434277	PL.39315	A	Consumer	6.98Y	116.4	0.00	9.65	1.05	0	7	1	99	0.00	0.0	7.531	0.000	7	1	1	1	1	L
L PL.39313	PL.39314	A	4ACSR	6.98Y	116.4	0.00	9.65	1.95	1	14	1	99	0.00	0.0	7.513	0.031	0	0	0	0	1	L
L 434280	PL.39313	A	Consumer	6.98Y	116.4	0.00	9.65	1.95	0	14	1	99	0.00	0.0	7.513	0.000	14	1	1	1	1	L
L 434274	PL.39313	A	Consumer	6.98Y	116.4	0.00	9.65	0.00	0	0	0	100	0.00	0.0	7.513	0.000	0	0	0	0	0	L
L 434276	PL.17471	A	Consumer	6.98Y	116.4	0.00	9.62	0.01	0	0	0	99	0.00	0.0	7.443	0.000	0	0	1	1	1	L
L 4342118	PL.17471	A	Consumer	6.98Y	116.4	0.00	9.62	0.00	0	0	0	100	0.00	0.0	7.443	0.000	0	0	0	0	0	L
L PL.39309	PL.19819	A	4ACSR	6.98Y	116.4	0.00	9.60	2.26	1	16	2	99	0.00	0.0	7.405	0.003	0	0	0	0	2	L
L PD.6898	PL.39309	A	fuse6AMP	6.98Y	116.4	0.00	9.60	2.26	39	16	2	99	0.00	0.0	7.405	0.000	0	0	0	0	2	L
L PL.39310	PD.6898	A	4ACSR	6.98Y	116.4	0.00	9.60	2.26	1	16	2	99	0.00	0.0	7.432	0.027	0	0	0	0	2	L
L 434272	PL.39310	A	Consumer	6.98Y	116.4	0.00	9.60	1.15	0	8	1	99	0.00	0.0	7.432	0.000	8	1	1	1	1	L

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Units Displayed In Volts																				
-Base Voltage:120.0-																				
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
L 434273	PL.39310	A	Consumer	6.98Y	116.4	0.00	9.60	1.11	0	8	1	99	0.00	0.0	7.432	0.000	8	1	1	1 L
L 434284	PL.42838	A	Consumer	6.99Y	116.4	0.00	9.56	0.01	0	0	0	99	0.00	0.0	7.352	0.000	0	0	1	1 L
L PL.43244	PL.43245	A	1/0EPRJCN	7.00Y	116.6	-0.00	9.40	-0.02	0	0	0	0	0.00	0.0	7.098	0.037	0	0	0	0 L
L		B		6.57Y	109.5	-0.00	16.46	-0.02	0	0	0	0					0	0	0	0 L
		C		7.17Y	119.5	0.00	6.49	1.20	1	9	1	100					0	0	0	1
L 4342112	PL.43244	A	Consumer	7.00Y	116.6	0.00	9.40	0.00	0	0	0	100	0.00	0.0	7.098	0.000	0	0	0	0 L
L		B		6.57Y	109.5	0.00	16.46	0.00	0	0	0	100					0	0	0	0 L
		C		7.17Y	119.5	0.00	6.49	0.00	0	0	0	100					0	0	0	0
L PL.42825	PL.42818	B	4ACSR	6.57Y	109.6	0.00	16.44	0.03	0	0	0	99	0.00	0.0	7.022	0.006	0	0	0	2 L
L PD.8144	PL.42825	B	fuse6AMP	6.57Y	109.6	0.00	16.44	0.03	0	0	0	99	0.00	0.0	7.022	0.000	0	0	0	2 L
L PL.42826	PD.8144	B	4ACSR	6.57Y	109.6	0.00	16.44	0.03	0	0	0	99	0.00	0.0	7.231	0.209	0	0	0	2 L
L PL.2527	PL.42826	B	4ACSR	6.57Y	109.6	0.00	16.44	0.01	0	0	0	99	0.00	0.0	7.342	0.111	0	0	0	1 L
L 434219	PL.2527	B	Consumer	6.57Y	109.6	0.00	16.44	0.01	0	0	0	99	0.00	0.0	7.342	0.000	0	0	1	1 L
L PL.14767	PL.42826	B	4ACSR	6.57Y	109.6	0.00	16.44	0.01	0	0	0	99	0.00	0.0	7.267	0.036	0	0	0	1 L
L 434205	PL.14767	B	Consumer	6.57Y	109.6	0.00	16.44	0.01	0	0	0	99	0.00	0.0	7.267	0.000	0	0	1	1 L
L 434227	PL.42818	B	Consumer	6.57Y	109.6	0.00	16.44	0.26	0	2	0	99	0.00	0.0	7.016	0.000	2	0	1	1 L
L 434266	PL.42818	B	Consumer	6.57Y	109.6	0.00	16.44	1.67	0	11	1	99	0.00	0.0	7.016	0.000	11	1	1	1 L
L 484918	PL.45444	A	Consumer	7.00Y	116.6	0.00	9.36	0.68	0	5	0	99	0.00	0.0	6.884	0.000	5	0	1	1 L
L 484935	PL.42799	B	Consumer	6.58Y	109.7	0.00	16.26	0.00	0	0	0	100	0.00	0.0	6.641	0.000	0	0	1	1 L
L PL.42780	PL.20644	B	2ACSR	6.59Y	109.9	0.00	16.10	1.46	1	10	1	99	0.00	0.0	6.285	0.011	0	0	0	3 L
L PD.8505	PL.42780	B	fuse6AMP	6.59Y	109.9	0.00	16.10	1.46	25	10	1	99	0.00	0.0	6.285	0.000	0	0	0	3 L
L PL.42781	PD.8505	B	2ACSR	6.59Y	109.9	0.00	16.10	1.46	1	10	1	99	0.00	0.0	6.335	0.049	0	0	0	3 L
L 484904	PL.42781	B	Consumer	6.59Y	109.9	0.00	16.10	0.29	0	2	0	99	0.00	0.0	6.335	0.000	2	0	1	1 L
L 484922	PL.42781	B	Consumer	6.59Y	109.9	0.00	16.10	0.37	0	2	0	99	0.00	0.0	6.335	0.000	2	0	1	1 L
L 484915	PL.42781	B	Consumer	6.59Y	109.9	0.00	16.10	0.80	0	5	1	99	0.00	0.0	6.335	0.000	5	1	1	1 L
L 484945	PL.20643	B	Consumer	6.60Y	110.0	0.00	16.03	0.93	0	6	1	99	0.00	0.0	6.141	0.000	6	1	1	1 L
L 484925	PL.20643	B	Consumer	6.60Y	110.0	0.00	16.03	0.70	0	5	0	99	0.00	0.0	6.141	0.000	5	0	1	1 L
L 484965	PL.20642	B	Consumer	6.60Y	110.0	0.00	16.02	1.66	0	11	1	99	0.00	0.0	6.109	0.000	11	1	1	1 L
L 4849072	PL.39797	B	Consumer	6.60Y	110.0	0.00	15.99	1.07	0	7	1	99	0.00	0.0	6.061	0.000	7	1	1	1 L
L 4849078	PL.44223	A	Consumer	7.01Y	116.9	0.00	9.09	0.00	0	0	0	100	0.00	0.0	5.970	0.000	0	0	0	0 L
L 4849079	PL.44223	A	Consumer	7.01Y	116.9	0.00	9.09	0.00	0	0	0	100	0.00	0.0	5.970	0.000	0	0	0	0 L
L PL.24962	PL.12078	A	4ACSR	7.02Y	117.0	-0.00	9.01	0.00	0	0	0	100	0.00	0.0	5.864	0.112	0	0	0	0 L
L		B		6.61Y	110.2	0.01	15.82	1.54	1	10	1	99					0	0	0	2 L
		C		7.17Y	119.5	0.01	6.53	1.49	1	11	1	99					0	0	0	2
L PL.11593	PL.24962	A	4ACSR	7.02Y	117.0	-0.00	9.01	0.00	0	0	0	100	0.00	0.0	5.930	0.066	0	0	0	0 L
L		B		6.61Y	110.2	0.00	15.82	0.54	0	4	0	99					0	0	0	1 L
		C		7.17Y	119.5	0.00	6.53	1.49	1	11	1	99					0	0	0	2
L PL.12311	PL.11593	A	4ACSR	7.02Y	117.0	-0.01	9.01	0.00	0	0	0	100	0.00	0.0	6.296	0.366	0	0	0	0 L
L		B		6.61Y	110.2	0.00	15.82	0.00	0	0	0	100					0	0	0	0 L
		C		7.17Y	119.4	0.02	6.55	1.49	1	11	1	99					0	0	0	2
L PL.39235	PL.12311	A	4ACSR	7.02Y	117.0	0.00	9.01	0.00	0	0	0	100	0.00	0.0	6.423	0.127	0	0	0	0 L
L		B		6.61Y	110.2	0.00	15.82	0.00	0	0	0	100					0	0	0	0 L
		C		7.17Y	119.4	0.00	6.55	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: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru			
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss		
L PD.6882-B	PL.39235	A	Open	7.02Y	117.0	0.00	9.01	0.00	0	0	0	100	0.00	0.0	6.423	0.000	0	0	0	0	L	
L		B		6.61Y	110.2	0.00	15.82	0.00	0	0	0	100	0	0	0	0	0	0	0	0	0	L
		C		7.17Y	119.4	0.00	6.55	0.00	0	0	0	100	0	0	0	0	0	0	0	0	0	L
L PL.12310	PL.11593	B	4ACSR	6.61Y	110.2	0.00	15.82	0.54	0	4	0	99	0.00	0.0	5.947	0.017	0	0	0	0	1	L
L PD.1651	PL.12310	B	fuse6AMP	6.61Y	110.2	0.00	15.82	0.54	9	4	0	99	0.00	0.0	5.947	0.000	0	0	0	0	1	L
L PL.12309	PD.1651	B	4ACSR	6.61Y	110.2	0.00	15.82	0.54	0	4	0	99	0.00	0.0	6.035	0.088	0	0	0	0	1	L
L 485802	PL.12309	B	Consumer	6.61Y	110.2	0.00	15.82	0.54	0	4	0	99	0.00	0.0	6.035	0.000	4	0	1	1	1	L
L 485909	PL.24962	B	Consumer	6.61Y	110.2	0.00	15.82	1.00	0	7	1	99	0.00	0.0	5.864	0.000	7	1	1	1	1	L
L PL.12076	PL.12077	A	4ACSR	7.03Y	117.2	0.00	8.78	0.00	0	0	0	100	0.00	0.0	5.622	0.013	0	0	0	0	0	L
L PD.1650	PL.12076	A	fuse6AMP	7.03Y	117.2	0.00	8.78	0.00	0	0	0	100	0.00	0.0	5.622	0.000	0	0	0	0	0	L
L PL.12075	PD.1650	A	4ACSR	7.03Y	117.2	0.00	8.78	0.00	0	0	0	100	0.00	0.0	5.688	0.066	0	0	0	0	0	L
L 485801	PL.12075	A	Consumer	7.03Y	117.2	0.00	8.78	0.00	0	0	0	100	0.00	0.0	5.688	0.000	0	0	0	0	0	L
L 484949	PL.7127	A	Consumer	7.06Y	117.6	0.00	8.38	0.80	0	6	1	99	0.00	0.0	5.369	0.000	6	1	1	1	1	L
L PL.12089	PL.12079	A	4ACSR	7.07Y	117.8	0.00	8.25	3.85	2	27	3	99	0.00	0.0	5.299	0.010	0	0	0	0	4	L
L PD.1597	PL.12089	A	fuse6AMP	7.07Y	117.8	0.00	8.25	3.85	66	27	3	99	0.00	0.0	5.299	0.000	0	0	0	0	4	L
L PL.12090	PD.1597	A	4ACSR	7.06Y	117.7	0.01	8.25	3.85	2	27	3	99	0.00	0.0	5.338	0.039	0	0	0	0	4	L
L PL.7128	PL.12090	A	4ACSR	7.06Y	117.7	0.00	8.26	2.60	1	18	2	99	0.00	0.0	5.360	0.022	0	0	0	0	3	L
L 484955	PL.7128	A	Consumer	7.06Y	117.7	0.00	8.26	1.65	0	12	1	99	0.00	0.0	5.360	0.000	12	1	1	1	1	L
L 484964	PL.7128	A	Consumer	7.06Y	117.7	0.00	8.26	0.07	0	0	0	99	0.00	0.0	5.360	0.000	0	0	1	1	1	L
L 484933	PL.7128	A	Consumer	7.06Y	117.7	0.00	8.26	0.89	0	6	1	99	0.00	0.0	5.360	0.000	6	1	1	1	1	L
L 484940	PL.12090	A	Consumer	7.06Y	117.7	0.00	8.25	1.25	0	9	1	99	0.00	0.0	5.338	0.000	9	1	1	1	1	L
L 484812	PL.12080	B	Consumer	6.72Y	112.0	0.00	14.02	0.00	0	0	0	99	0.00	0.0	5.157	0.000	0	0	1	1	1	L
L PL.12091	PL.12080	B	4ACSR	6.72Y	112.0	0.01	14.02	14.02	7	94	10	99	0.00	0.0	5.165	0.009	0	0	0	0	13	L
L PD.1595	PL.12091	B	fuse6AMP	6.72Y	112.0	0.00	14.02	14.02	240	94	10	99	0.00	0.0	5.165	0.000	0	0	0	0	13	L
L PL.12092	PD.1595	B	4ACSR	6.72Y	111.9	0.05	14.07	14.02	7	94	10	99	0.04	0.0	5.242	0.077	0	0	0	0	13	L
L 484956	PL.12092	B	Consumer	6.72Y	111.9	0.00	14.07	0.00	0	0	0	100	0.00	0.0	5.242	0.000	0	0	1	1	1	L
L PL.20640	PL.12092	B	4ACSR	6.71Y	111.9	0.03	14.10	14.02	7	94	10	99	0.03	0.0	5.299	0.057	0	0	0	0	12	L
L PL.20641	PL.20640	B	4ACSR	6.71Y	111.9	0.04	14.14	13.06	7	87	9	99	0.03	0.0	5.365	0.066	0	0	0	0	10	L
L 484948	PL.20641	B	Consumer	6.71Y	111.9	0.00	14.14	2.33	0	16	2	99	0.00	0.0	5.365	0.000	16	2	1	1	1	L
L PL.7131	PL.20641	B	4ACSR	6.71Y	111.8	0.02	14.15	10.73	6	72	7	99	0.01	0.0	5.401	0.036	0	0	0	0	9	L
L PL.12093	PL.7131	B	4ACSR	6.71Y	111.8	0.01	14.16	8.52	4	57	6	99	0.00	0.0	5.428	0.027	0	0	0	0	6	L
L PL.12094	PL.12093	B	4ACSR	6.71Y	111.8	0.01	14.18	5.95	3	40	4	99	0.00	0.0	5.485	0.057	0	0	0	0	4	L
L 484954	PL.12094	B	Consumer	6.71Y	111.8	0.00	14.18	1.74	0	12	1	99	0.00	0.0	5.485	0.000	12	1	1	1	1	L
L 484936	PL.12094	B	Consumer	6.71Y	111.8	0.00	14.18	0.87	0	6	1	99	0.00	0.0	5.485	0.000	6	1	1	1	1	L
L PL.2590	PL.12094	B	4ACSR	6.71Y	111.8	0.02	14.19	3.34	2	22	2	99	0.00	0.0	5.609	0.124	0	0	0	0	2	L
L PL.2591	PL.2590	B	4ACSR	6.71Y	111.8	0.01	14.20	1.73	1	12	1	99	0.00	0.0	5.698	0.090	0	0	0	0	1	L
L 484969	PL.2591	B	Consumer	6.71Y	111.8	0.00	14.20	1.73	0	12	1	99	0.00	0.0	5.698	0.000	12	1	1	1	1	L
L 4849076	PL.2590	B	Consumer	6.71Y	111.8	0.00	14.19	0.00	0	0	0	100	0.00	0.0	5.609	0.000	0	0	0	0	0	L
L 484967	PL.2590	B	Consumer	6.71Y	111.8	0.00	14.19	1.60	0	11	1	99	0.00	0.0	5.609	0.000	11	1	1	1	1	L

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts -Base Voltage:120.0-							mi From Src	-----Length (mi)	-----Element-----		Cons On	Cons Thru			
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss			% Loss	KW			KVAR		
L PL.2810	PL.12093	B	4ACSR	6.71Y	111.8	0.01	14.17	2.57	1	17	2	99	0.00	0.0	5.482	0.054	0	0	0	2	L	
L 484962	PL.2810	B	Consumer	6.71Y	111.8	0.00	14.17	1.69	0	11	1	99	0.00	0.0	5.482	0.000	11	1	1	1	L	
L 484959	PL.2810	B	Consumer	6.71Y	111.8	0.00	14.17	0.88	0	6	1	99	0.00	0.0	5.482	0.000	6	1	1	1	L	
L 484960	PL.7131	B	Consumer	6.71Y	111.8	0.00	14.15	1.03	0	7	1	99	0.00	0.0	5.401	0.000	7	1	1	1	L	
L 484957	PL.7131	B	Consumer	6.71Y	111.8	0.00	14.15	0.49	0	3	0	99	0.00	0.0	5.401	0.000	3	0	1	1	L	
L PL.2823	PL.7131	B	4ACSR	6.71Y	111.8	0.00	14.15	0.70	0	5	0	99	0.00	0.0	5.480	0.080	0	0	0	1	L	
L 484953	PL.2823	B	Consumer	6.71Y	111.8	0.00	14.15	0.70	0	5	0	99	0.00	0.0	5.480	0.000	5	0	1	1	L	
L 484958	PL.20640	B	Consumer	6.71Y	111.9	0.00	14.10	0.03	0	0	0	99	0.00	0.0	5.299	0.000	0	0	1	1	L	
L 484943	PL.20640	B	Consumer	6.71Y	111.9	0.00	14.10	0.93	0	6	1	99	0.00	0.0	5.299	0.000	6	1	1	1	L	
L 483813	PL.27742	B	Consumer	6.89Y	114.8	0.00	11.17	0.57	0	4	0	99	0.00	0.0	4.373	0.000	4	0	1	1	L	
L 483831	PL.19247	B	Consumer	6.91Y	115.2	0.00	10.76	1.33	0	9	1	99	0.00	0.0	4.261	0.000	9	1	1	1	L	
L 483826	PL.19247	B	Consumer	6.91Y	115.2	0.00	10.76	0.00	0	0	0	99	0.00	0.0	4.261	0.000	0	0	1	1	L	
PL.18762	PL.14619	A	6ACWC	7.20Y	120.0	-0.00	6.04	0.00	0	0	0	100	0.00	0.0	4.165	0.005	0	0	0	0		
L		B		6.94Y	115.6	0.00	10.38	0.00	0	0	0	100	0.00	0.0	0	0	0	0	0	0	L	
		C		7.24Y	120.6	0.00	5.39	18.83	10	135	14	99	0.00	0.0	0	0	0	0	0	26		
PL.18763	PL.18762	A	6ACWC	7.20Y	120.0	-0.02	6.01	0.00	0	0	0	100	0.09	0.1	4.270	0.104	0	0	0	0		
L		B		6.94Y	115.6	0.01	10.39	0.00	0	0	0	100	0.00	0.0	0	0	0	0	0	0	L	
		C		7.23Y	120.5	0.08	5.48	18.83	10	135	14	99	0.00	0.0	0	0	0	0	0	26		
PL.14616	PL.18763	A	6ACWC	7.20Y	120.0	-0.01	6.01	0.00	0	0	0	100	0.02	0.0	4.301	0.032	0	0	0	0		
L		B		6.94Y	115.6	0.00	10.40	0.00	0	0	0	100	0.00	0.0	0	0	0	0	0	0	L	
		C		7.23Y	120.5	0.02	5.50	17.46	9	126	13	99	0.00	0.0	0	0	0	0	0	23		
C PD.6936	PL.39471	C	fuse6AMP	7.23Y	120.5	0.00	5.50	6.01	103	43	5	99	0.00	0.0	4.307	0.000	0	0	0	0	8	C
PL.26755	PL.14616	A	6ACWC	7.20Y	120.0	-0.01	6.00	0.00	0	0	0	100	0.02	0.0	4.388	0.087	0	0	0	0		
L		B		6.94Y	115.6	0.01	10.40	0.00	0	0	0	100	0.00	0.0	0	0	0	0	0	0	L	
		C		7.23Y	120.5	0.04	5.54	10.24	5	74	8	99	0.00	0.0	0	0	0	0	0	14		
PL.26761	PL.26755	A	6ACWC	7.20Y	120.0	-0.02	5.98	0.00	0	0	0	100	0.04	0.1	4.577	0.188	0	0	0	0		
L		B		6.93Y	115.6	0.01	10.42	0.00	0	0	0	100	0.00	0.0	0	0	0	0	0	0	L	
		C		7.22Y	120.4	0.07	5.61	9.22	5	66	7	99	0.00	0.0	0	0	0	0	0	13		
PL.26762	PL.26761	A	6ACWC	7.20Y	120.0	-0.01	5.97	0.00	0	0	0	100	0.01	0.0	4.627	0.051	0	0	0	0		
L		B		6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	0	0	0	0	0	0	L	
		C		7.22Y	120.4	0.02	5.63	8.91	5	64	7	99	0.00	0.0	0	0	0	0	0	12		
L PL.39475	PL.26762	B	4ACSR	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	4.634	0.007	0	0	0	0	L	
L PD.6939-A	PL.39475	B	Closed	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	4.634	0.000	0	0	0	0	L	
L PD.6939-B	PD.6939-A	B	Closed	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	4.634	0.000	0	0	0	0	L	
L PL.39476	PD.6939-B	B	4ACSR	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	4.961	0.327	0	0	0	0	L	
L PL.2805	PL.39476	B	4ACSR	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	5.047	0.086	0	0	0	0	L	
L 483902	PL.2805	B	Consumer	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	5.047	0.000	0	0	0	0	L	
L PL.19907	PL.39476	B	4ACSR	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	5.061	0.100	0	0	0	0	L	
L PL.19908	PL.19907	B	4ACSR	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	5.124	0.063	0	0	0	0	L	
L PD.444-B	PL.19908	B	Open	6.93Y	115.6	0.00	10.42	0.00	0	0	0	100	0.00	0.0	5.124	0.000	0	0	0	0	L	
L PL.26756	PL.26755	B	4ACSR	6.94Y	115.6	0.00	10.40	0.00	0	0	0	100	0.00	0.0	4.388	0.000	0	0	0	0	L	
L PL.18193	PL.14617	B	4ACSR	6.98Y	116.3	0.00	9.66	1.43	1	10	1	99	0.00	0.0	3.990	0.016	0	0	0	1	L	
L PD.1741	PL.18193	B	fuse6AMP	6.98Y	116.3	0.00	9.66	1.43	24	10	1	99	0.00	0.0	3.990	0.000	0	0	0	1	L	
L PL.18194	PD.1741	B	4ACSR	6.98Y	116.3	0.01	9.67	1.43	1	10	1	99	0.00	0.0	4.078	0.088	0	0	0	1	L	

Unbalanced Voltage Drop Report
Source: SIDEVIEW

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
Case:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts -Base Voltage:120.0-							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	% KVAR	% PF	kW Loss							% Loss
L 483814	PL.18194	B	Consumer	6.98Y	116.3	0.00	9.67	1.43	0	10	1	99	0.00	0.0	4.078	0.000	10	1	1	1 L
L 483806	PL.14608	B	Consumer	7.05Y	117.5	0.00	8.49	0.91	0	6	1	99	0.00	0.0	3.674	0.000	6	1	1	1 L
L 483819	PL.14606	B	Consumer	7.06Y	117.7	0.00	8.28	1.69	0	12	1	99	0.00	0.0	3.622	0.000	12	1	1	1 L
L 483825	PL.14606	B	Consumer	7.06Y	117.7	0.00	8.28	0.10	0	1	0	99	0.00	0.0	3.622	0.000	1	0	1	1 L
L 483829	PL.14606	B	Consumer	7.06Y	117.7	0.00	8.28	2.06	0	14	2	99	0.00	0.0	3.622	0.000	14	2	1	1 L

----- Feeder No. 1 (SIDEVIEW1) Beginning with Device PD.3907 -----

PD.3907	PL.32892	A	VWVE	15.10Y	125.8	0.00	0.20	56.54	0	847	108	99	0.00	0.0	0.020	0.000	0	0	0	162
		B		15.11Y	125.9	0.00	0.11	36.72	0	552	53	100					0	0	0	128
		C		15.09Y	125.7	0.00	0.26	66.69	0	995	147	99					0	0	0	207

----- Feeder No. 4 (SIDEVIEW4) Beginning with Device PD.3906 -----

PD.3906	PL.32890	A	VWVE	7.56Y	126.0	0.00	0.03	95.29	0	713	104	99	0.00	0.0	0.025	0.000	0	0	0	123
		B		7.56Y	126.0	0.00	0.05	172.54	0	1280	246	98					0	0	0	202
		C		7.56Y	126.0	0.00	0.00	80.74	0	605	80	99					0	0	0	133

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

PD.3908	PL.32894	A	VWVE	15.11Y	125.9	0.00	0.10	36.29	0	546	45	100	0.00	0.0	0.017	0.000	0	0	0	67
		B		15.10Y	125.8	0.00	0.20	67.07	0	1008	95	100					0	0	0	178
		C		15.11Y	125.9	0.00	0.11	42.96	0	647	51	100					0	0	0	87

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	2307	0	0	0	0	7194	143		0.00	9643
KVAR	316	0	0	-2	0	929	127			1371

Lowest Voltage	Highest Accumulated Voltage Drop	Highest Element Voltage Drop
A-Phase -> 116.24 volts on PL.14338	9.76 volts on PL.14338	0.55 volts on PL.7140
B-Phase -> 108.48 volts on PL.6421	17.52 volts on PL.6421	1.10 volts on PL.7140
C-Phase -> 119.14 volts on PL.2834	6.86 volts on PL.2834	0.47 volts on PL.7140

Substation Summary:						
Substation	KW	KW Losses	KVAR	KVAR Losses	KVA	% Capacity
SIDEVIEW	9644.00	143.00	1372.00	127.00	9740.24	0.00
Total:	9644.00	143.00	1372.00	127.00	9740.24	

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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element-----		Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss		% Loss	Length (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	99	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	99	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	99	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	99	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	99	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	-95	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	-95	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	99	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:

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.43030 through PD.8572-A.

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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts				Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	-----Element-----		Cons On	Cons Thru
							Accum Drop	Thru Amps	% Cap	Thru KW							Length (mi)	KW		
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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts						mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	% PF	kW Loss							% 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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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

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

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element-----		Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss		% Loss	Length (mi)			KW	KVAR
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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	90	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

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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss	
PL.2491	PL.11362	A	4ACSR	7.40Y	123.4	0.00	2.61	0.00	0	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	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	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	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	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	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	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	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	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	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	0
PL.18952	PL.11364	A	4ACSR	7.41Y	123.4	0.00	2.55	2.97	2	22	2	99	0.00	0.0	3.727	0.007	0	0	0	0	4
PD.1736	PL.18952	A	fuse6AMP	7.41Y	123.4	0.00	2.55	2.97	51	22	2	99	0.00	0.0	3.727	0.000	0	0	0	0	4
PL.18953	PD.1736	A	4ACSR	7.41Y	123.4	0.00	2.56	2.97	2	22	2	99	0.00	0.0	3.764	0.037	0	0	0	0	4
PL.3257	PL.18953	A	4ACSR	7.41Y	123.4	0.00	2.56	0.05	0	0	0	99	0.00	0.0	3.807	0.043	0	0	0	0	1
484617	PL.3257	A	Consumer	7.41Y	123.4	0.00	2.56	0.05	0	0	0	99	0.00	0.0	3.807	0.000	0	0	1	1	1
PL.11408	PL.18953	A	4ACSR	7.41Y	123.4	0.00	2.56	2.91	2	21	2	99	0.00	0.0	3.770	0.006	0	0	0	0	3
PL.11409	PL.11408	A	4ACSR	7.41Y	123.4	0.01	2.56	2.91	2	21	2	99	0.00	0.0	3.814	0.044	0	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	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	0
PL.11410	PL.11409	A	4ACSR	7.41Y	123.4	0.01	2.57	2.91	2	21	2	99	0.00	0.0	3.870	0.056	0	0	0	0	3
PL.3244	PL.11410	A	4ACSR	7.41Y	123.4	0.00	2.57	0.03	0	0	0	99	0.00	0.0	3.962	0.092	0	0	0	0	1
484615	PL.3244	A	Consumer	7.41Y	123.4	0.00	2.57	0.03	0	0	0	99	0.00	0.0	3.962	0.000	0	0	1	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	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	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	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	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	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	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	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	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	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	0
483639	PL.7125	A	Consumer	7.44Y	123.9	0.00	2.05	1.86	0	14	1	99	0.00	0.0	2.887	0.000	14	1	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	1
PL.11887	PL.11889	A	4ACSR	7.48Y	124.6	0.00	1.41	0.17	0	1	0	99	0.00	0.0	2.306	0.010	0	0	0	0	2
PD.1731	PL.11887	A	fuse6AMP	7.48Y	124.6	0.00	1.41	0.17	3	1	0	99	0.00	0.0	2.306	0.000	0	0	0	0	2
PL.11888	PD.1731	A	4ACSR	7.48Y	124.6	0.00	1.41	0.17	0	1	0	99	0.00	0.0	2.370	0.063	0	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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element-----		Cons On	Cons Thru		
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss		% Loss	Length (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	99	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	99	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	99	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	99	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	99	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	99	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:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							% PF	kW Loss	% Loss	mi From Src	Length (mi)	Element		Cons On	Cons Thru
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	KW	KVAR						KW	KVAR		
PL.31040	PL.31039	A	6ACWC	7.50Y	125.0	0.06	0.98	38.06	20	284	30	99	0.45	0.1	2.207	0.047	0	0	0	53		
		B		7.54Y	125.7	0.05	0.26	26.46	14	199	22	99					0	0	0	32		
		C		7.45Y	124.2	0.09	1.79	46.38	24	344	39	99					0	0	0	48		
PD.441-A	PL.31040	A	Closed	7.50Y	125.0	0.00	0.98	38.06	0	284	30	99	0.00	0.0	2.207	0.000	0	0	0	53		
		B		7.54Y	125.7	0.00	0.26	26.46	0	198	22	99					0	0	0	32		
		C		7.45Y	124.2	0.00	1.79	46.38	0	343	39	99					0	0	0	48		
PD.441-B	PD.441-A	A	Closed	7.50Y	125.0	0.00	0.98	38.06	0	284	30	99	0.00	0.0	2.207	0.000	0	0	0	53		
		B		7.54Y	125.7	0.00	0.26	26.46	0	198	22	99					0	0	0	32		
		C		7.45Y	124.2	0.00	1.79	46.38	0	343	39	99					0	0	0	48		
PL.39270	PD.441-B	A	6ACWC	7.50Y	125.0	0.02	1.01	38.06	20	284	30	99	0.19	0.0	2.227	0.020	0	0	0	53		
		B		7.54Y	125.7	0.02	0.28	26.46	14	198	22	99					0	0	0	32		
		C		7.45Y	124.2	0.04	1.83	46.38	24	343	39	99					0	0	0	48		
PL.39281	PL.39270	A	2ACSR	7.50Y	125.0	0.00	1.01	19.90	8	148	16	99	0.00	0.0	2.230	0.003	0	0	0	25		
PD.6903	PL.39281	A	25L	7.50Y	125.0	0.00	1.01	19.90	80	148	16	99	0.00	0.0	2.230	0.000	0	0	0	25		
PL.39286	PD.6903	A	2ACSR	7.50Y	125.0	0.03	1.04	19.90	8	148	16	99	0.03	0.0	2.275	0.045	0	0	0	25		
PL.39279	PL.39286	A	2ACSR	7.50Y	125.0	0.00	1.04	1.15	0	9	1	99	0.00	0.0	2.316	0.040	0	0	0	2		
483738	PL.39279	A	Consumer	7.50Y	125.0	0.00	1.04	0.70	0	5	1	99	0.00	0.0	2.316	0.000	5	1	1	1		
PL.39280	PL.39279	A	2ACSR	7.50Y	125.0	0.00	1.04	0.45	0	3	0	99	0.00	0.0	2.359	0.043	0	0	0	1		
483716	PL.39280	A	Consumer	7.50Y	125.0	0.00	1.04	0.45	0	3	0	99	0.00	0.0	2.359	0.000	3	0	1	1		
PL.39278	PL.39286	A	2ACSR	7.50Y	125.0	0.01	1.04	18.76	7	140	15	99	0.01	0.0	2.290	0.015	0	0	0	23		
PL.39275	PL.39278	A	2ACSR	7.50Y	124.9	0.03	1.08	18.76	7	140	15	99	0.03	0.0	2.346	0.056	0	0	0	23		
PL.11915	PL.39275	A	4ACSR	7.50Y	124.9	0.00	1.08	0.67	0	5	1	99	0.00	0.0	2.374	0.028	0	0	0	2		
483720	PL.11915	A	Consumer	7.50Y	124.9	0.00	1.08	0.67	0	5	1	99	0.00	0.0	2.374	0.000	5	1	1	1		
483725	PL.11915	A	Consumer	7.50Y	124.9	0.00	1.08	0.00	0	0	0	90	0.00	0.0	2.374	0.000	0	0	1	1		
PL.31037	PL.39275	A	4ACSR	7.49Y	124.9	0.04	1.11	18.08	9	135	14	99	0.04	0.0	2.397	0.051	0	0	0	21		
4837055	PL.31037	A	Consumer	7.49Y	124.9	0.00	1.11	1.21	0	9	1	99	0.00	0.0	2.397	0.000	9	1	1	1		
PL.34628	PL.31037	A	4ACSR	7.49Y	124.9	0.02	1.13	16.88	9	126	13	99	0.02	0.0	2.425	0.028	0	0	0	20		
PL.34629	PL.34628	A	4ACSR	7.49Y	124.9	0.01	1.15	16.36	8	122	13	99	0.01	0.0	2.446	0.020	0	0	0	19		
483751	PL.34629	A	Consumer	7.49Y	124.9	0.00	1.15	1.12	0	8	1	99	0.00	0.0	2.446	0.000	8	1	1	1		
PL.43695	PL.34629	A	4ACSR	7.49Y	124.8	0.02	1.17	15.24	8	114	12	99	0.02	0.0	2.480	0.034	0	0	0	18		
PL.43696	PL.43695	A	4ACSR	7.49Y	124.8	0.02	1.19	15.24	8	114	12	99	0.02	0.0	2.509	0.030	0	0	0	18		
483747	PL.43696	A	Consumer	7.49Y	124.8	0.00	1.19	1.98	0	15	2	99	0.00	0.0	2.509	0.000	15	2	1	1		
PL.39284	PL.43696	A	2ACSR	7.49Y	124.8	0.05	1.24	13.26	5	99	10	99	0.04	0.0	2.652	0.143	0	0	0	17		
PL.39283	PL.39284	A	2ACSR	7.48Y	124.7	0.02	1.27	9.06	4	67	7	99	0.01	0.0	2.739	0.087	0	0	0	12		
483722	PL.39283	A	Consumer	7.48Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	2.739	0.000	0	0	1	1		
PL.7115	PL.39283	A	4ACSR	7.48Y	124.7	0.03	1.30	9.06	5	67	7	99	0.02	0.0	2.830	0.091	0	0	0	11		
PL.11916	PL.7115	A	4ACSR	7.48Y	124.7	0.00	1.30	0.20	0	2	0	99	0.00	0.0	2.933	0.103	0	0	0	1		
483702	PL.11916	A	Consumer	7.48Y	124.7	0.00	1.30	0.20	0	2	0	99	0.00	0.0	2.933	0.000	2	0	1	1		
PL.11917	PL.7115	A	4ACSR	7.48Y	124.6	0.06	1.37	8.85	5	66	7	99	0.03	0.0	3.002	0.173	0	0	0	10		
483726	PL.11917	A	Consumer	7.48Y	124.6	0.00	1.37	0.94	0	7	1	99	0.00	0.0	3.002	0.000	7	1	1	1		
PL.11918	PL.11917	A	4ACSR	7.48Y	124.6	0.00	1.37	1.84	1	14	1	99	0.00	0.0	3.063	0.060	0	0	0	3		
PL.11919	PL.11918	A	4ACSR	7.48Y	124.6	0.02	1.39	1.83	1	14	1	99	0.00	0.0	3.292	0.230	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 for various elements like 483724, 483731, PL.3261, 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.11921, PL.11927, PD.1729, 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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	Length (mi)	Element		Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss			% Loss	KW			KVAR
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	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	99	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	99	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	99	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	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	99	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
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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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts -Base Voltage:120.0-					KVAR	% PF	kW Loss	% Loss	mi From Src	-----Element-----		Cons On	Cons Thru
							Accum Drop	Thru Amps	% Cap	Thru KW	KW						KVAR	KW		
483833	PL.2816	A	Consumer	7.46Y	124.4	0.00	1.60	1.35	0	10	1	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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:

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	Length (mi)	Element		Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss			% Loss	KW			KVAR
PD.1744	PL.14613	A	fuse6AMP	7.46Y	124.3	0.00	1.74	1.00	17	7	1	99	0.00	0.0	4.436	0.000	0	0	0	3
PL.14614	PD.1744	A	4ACSR	7.46Y	124.3	0.00	1.74	1.00	1	7	1	99	0.00	0.0	4.466	0.031	0	0	0	3
483820	PL.14614	A	Consumer	7.46Y	124.3	0.00	1.74	0.68	0	5	1	99	0.00	0.0	4.466	0.000	5	1	1	1
PL.2826	PL.14614	A	4ACSR	7.46Y	124.3	0.00	1.74	0.32	0	2	0	99	0.00	0.0	4.510	0.044	0	0	0	2
483816	PL.2826	A	Consumer	7.46Y	124.3	0.00	1.74	0.32	0	2	0	99	0.00	0.0	4.510	0.000	2	0	1	1
PL.2813	PL.2826	A	4ACSR	7.46Y	124.3	-0.00	1.74	0.00	0	0	0	99	0.00	0.0	4.548	0.038	0	0	0	1
PL.2814	PL.2813	A	4ACSR	7.46Y	124.3	-0.00	1.74	0.00	0	0	0	99	0.00	0.0	4.581	0.033	0	0	0	1
483827	PL.2814	A	Consumer	7.46Y	124.3	0.00	1.74	0.00	0	0	0	99	0.00	0.0	4.581	0.000	0	0	1	1
PL.14610	PL.14609	A	6ACWC	7.45Y	124.2	0.05	1.79	6.32	3	47	5	99	0.10	0.1	4.592	0.161	0	0	0	9
		B		7.41Y	123.5	0.09	2.45	14.15	7	104	12	99					0	0	0	17
		C		7.30Y	121.7	0.02	4.27	5.87	3	43	5	99					0	0	0	5
PL.14604	PL.14610	A	4ACSR	7.45Y	124.2	0.00	1.79	0.54	0	4	0	99	0.00	0.0	4.602	0.009	0	0	0	1
PD.1746	PL.14604	A	fuse6AMP	7.45Y	124.2	0.00	1.79	0.54	9	4	0	99	0.00	0.0	4.602	0.000	0	0	0	1
PL.14605	PD.1746	A	4ACSR	7.45Y	124.2	0.00	1.79	0.54	0	4	0	99	0.00	0.0	4.708	0.107	0	0	0	1
484804	PL.14605	A	Consumer	7.45Y	124.2	0.00	1.79	0.54	0	4	0	99	0.00	0.0	4.708	0.000	4	0	1	1
PL.14602	PL.14610	B	4ACSR	7.41Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	4.600	0.007	0	0	0	0
PD.1745	PL.14602	B	fuse6AMP	7.41Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	4.600	0.000	0	0	0	0
PL.14603	PD.1745	B	4ACSR	7.41Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	4.770	0.170	0	0	0	0
484813	PL.14610	B	Consumer	7.41Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	4.592	0.000	0	0	0	0
PL.14436	PL.14610	A	6ACWC	7.45Y	124.2	0.05	1.84	5.78	3	43	5	99	0.11	0.1	4.768	0.175	0	0	0	8
		B		7.41Y	123.4	0.10	2.55	14.15	7	104	12	99					0	0	0	17
		C		7.30Y	121.7	0.02	4.29	5.87	3	43	5	99					0	0	0	5
PL.15793	PL.14436	B	4ACSR	7.41Y	123.4	0.00	2.55	0.00	0	0	0	100	0.00	0.0	4.780	0.013	0	0	0	2
PD.1747	PL.15793	B	fuse6AMP	7.41Y	123.4	0.00	2.55	0.00	0	0	0	100	0.00	0.0	4.780	0.000	0	0	0	2
PL.15794	PD.1747	B	4ACSR	7.41Y	123.4	0.00	2.55	0.00	0	0	0	100	0.00	0.0	4.955	0.174	0	0	0	2
PL.2825	PL.15794	B	4ACSR	7.41Y	123.4	0.00	2.55	0.00	0	0	0	100	0.00	0.0	5.344	0.389	0	0	0	2
PL.2824	PL.2825	B	4ACSR	7.41Y	123.4	0.00	2.55	0.00	0	0	0	100	0.00	0.0	5.494	0.150	0	0	0	1
PL.2821	PL.2824	B	4ACSR	7.41Y	123.4	0.00	2.55	0.00	0	0	0	100	0.00	0.0	5.626	0.132	0	0	0	1
484809	PL.2821	B	Consumer	7.41Y	123.4	0.00	2.55	0.00	0	0	0	100	0.00	0.0	5.626	0.000	0	0	1	1
484808	PL.2825	B	Consumer	7.41Y	123.4	0.00	2.55	0.00	0	0	0	100	0.00	0.0	5.344	0.000	0	0	1	1
PL.14601	PL.14436	A	6ACWC	7.45Y	124.1	0.07	1.90	5.78	3	43	5	99	0.15	0.1	5.013	0.245	0	0	0	8
		B		7.40Y	123.3	0.14	2.69	14.15	7	104	11	99					0	0	0	15
		C		7.30Y	121.7	0.03	4.32	5.87	3	43	5	99					0	0	0	5
PL.19064	PL.14601	C	4ACSR	7.30Y	121.7	0.00	4.32	0.71	0	5	1	99	0.00	0.0	5.037	0.024	0	0	0	1
PD.1596	PL.19064	C	fuse6AMP	7.30Y	121.7	0.00	4.32	0.71	12	5	1	99	0.00	0.0	5.037	0.000	0	0	0	1
PL.19065	PD.1596	C	4ACSR	7.30Y	121.7	0.00	4.33	0.71	0	5	1	99	0.00	0.0	5.094	0.057	0	0	0	1
484807	PL.19065	C	Consumer	7.30Y	121.7	0.00	4.33	0.71	0	5	1	99	0.00	0.0	5.094	0.000	5	1	1	1
PL.15795	PL.14601	C	4ACSR	7.30Y	121.7	0.00	4.33	4.89	3	35	4	99	0.00	0.0	5.030	0.017	0	0	0	3
C PD.1748	PL.15795	C	fuse6AMP	7.30Y	121.7	0.00	4.33	4.89	83	35	4	99	0.00	0.0	5.030	0.000	0	0	0	3 C
PL.15591	PD.1748	C	4ACSR	7.30Y	121.7	0.02	4.34	4.89	3	35	4	99	0.01	0.0	5.120	0.090	0	0	0	3
484907	PL.15591	C	Consumer	7.30Y	121.7	0.00	4.34	0.88	0	6	1	99	0.00	0.0	5.120	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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Length (mi)	-----Element-----		Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss			% Loss	KW			KVAR
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	99	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	90	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	90	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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
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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.12078, PL.12076, PD.1650, 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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss
484957	PL.7131	B	Consumer	7.39Y	123.1	0.00	2.90	0.44	0	3	0	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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
		C		7.31Y	121.8	0.00	4.19	18.64	10	135	14	99					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
		C		7.30Y	121.7	0.08	4.27	18.64	10	135	14	99					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
		C		7.30Y	121.7	0.02	4.29	17.29	9	126	13	99					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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	90	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	99	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	99	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	99	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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss			% Loss	KW			KVAR
PL.26755	PL.14616	A	6ACWC	7.46Y	124.4	-0.01	1.61	0.00	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	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	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% 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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss
PD.6935	PL.39469	C	fuse6AMP	7.30Y	121.7	0.00	4.27	1.35	23	10	1	99	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	99	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	99	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	99	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	90	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts -Base Voltage:120.0-							mi From Src	-----Length (mi)	-----Element-----		Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss			% Loss	KW			KVAR
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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts							mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru	
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss							% Loss
PL.43089	PD.1703	A	336ACSR	7.52Y	125.3	-0.00	0.71	0.01	0	0	0	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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/ Conductor	Pri kV	Base Volt	Element Drop	Units Displayed In Volts										mi From Src	-----Element----- Length (mi)	KW	KVAR	Cons On	Cons Thru
							Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% 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	99	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	99	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	99	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	100	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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	99	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. Rows include PL.31436, ST.4, PL.31437, PL.32892.

----- Feeder No. 1 (SIDEVIEW1) Beginning with Device PD.3907 -----

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 PD.3907, PL.29151, PL.32890.

----- Feeder No. 4 (SIDEVIEW4) Beginning with Device PD.3906 -----

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 PD.3906, PL.29155, ST.29, PL.32894.

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

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. Row includes PD.3908.

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. Below are voltage drop statistics: Lowest Voltage, Highest Accumulated Voltage Drop, Highest Element Voltage Drop.

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													-----Element-----					
		-Base Voltage:120.0-																		
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)	KW	KVAR	Cons On	Cons Thru
SIDEVIEW		A	SIDEVIEW	7.56Y	126.0	0.00	0.00	405.61	0	3038	418	99	0.00	0.0	0.000	0.000	0	0	0	484
		B		7.56Y	126.0	0.00	0.00	398.77	0	2989	396	99					0	0	0	585
		C		7.56Y	126.0	0.00	0.00	356.51	0	2678	300	99					0	0	0	492
----- Feeder No. 3 (SIDEVIEW3) Beginning with Device PD.3909 -----																				
PD.3909	PL.32896	A	VWVE	7.56Y	126.0	0.00	0.01	79.95	0	599	79	99	0.00	0.0	0.013	0.000	0	0	0	112
		B		7.56Y	126.0	0.00	0.00	31.03	0	233	25	99					0	0	0	40
		C		7.56Y	126.0	0.00	0.01	76.81	0	576	76	99					0	0	0	81
C PD.1706	PL.11316	C	fuse6AMP	7.54Y	125.6	0.00	0.41	9.38	160	69	15	98	0.00	0.0	0.393	0.000	0	0	0	10 C
P PL.46543	PL.2628	C	1/0EPRJCN	7.50Y	125.0	-0.00	1.04	-0.04	0	0	0	0	0.00	0.0	1.519	0.071	0	0	0	0 P
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
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
C PD.1748	PL.15795	C	fuse6AMP	7.30Y	121.7	0.00	4.33	4.89	83	35	4	99	0.00	0.0	5.030	0.000	0	0	0	3 C
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
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
----- Feeder No. 1 (SIDEVIEW1) Beginning with Device PD.3907 -----																				
PD.3907	PL.32892	A	VWVE	15.10Y	125.8	0.00	0.20	56.99	0	854	105	99	0.00	0.0	0.020	0.000	0	0	0	162
		B		15.10Y	125.8	0.00	0.20	52.35	0	782	114	99					0	0	0	168
		C		15.10Y	125.8	0.00	0.16	48.98	0	736	75	99					0	0	0	167
----- Feeder No. 4 (SIDEVIEW4) Beginning with Device PD.3906 -----																				
PD.3906	PL.32890	A	VWVE	7.56Y	126.0	0.00	0.04	139.29	0	1037	181	99	0.00	0.0	0.025	0.000	0	0	0	142
		B		7.56Y	126.0	0.00	0.02	129.01	0	964	149	99					0	0	0	198
		C		7.56Y	126.0	0.00	0.02	95.88	0	719	91	99					0	0	0	156
----- Feeder No. 2 (SIDEVIEW2) Beginning with Device PD.3908 -----																				
PD.3908	PL.32894	A	VWVE	15.11Y	125.9	0.00	0.10	36.29	0	546	45	100	0.00	0.0	0.017	0.000	0	0	0	67
		B		15.10Y	125.8	0.00	0.20	67.07	0	1008	95	100					0	0	0	178
		C		15.11Y	125.9	0.00	0.11	42.96	0	647	51	100					0	0	0	87

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

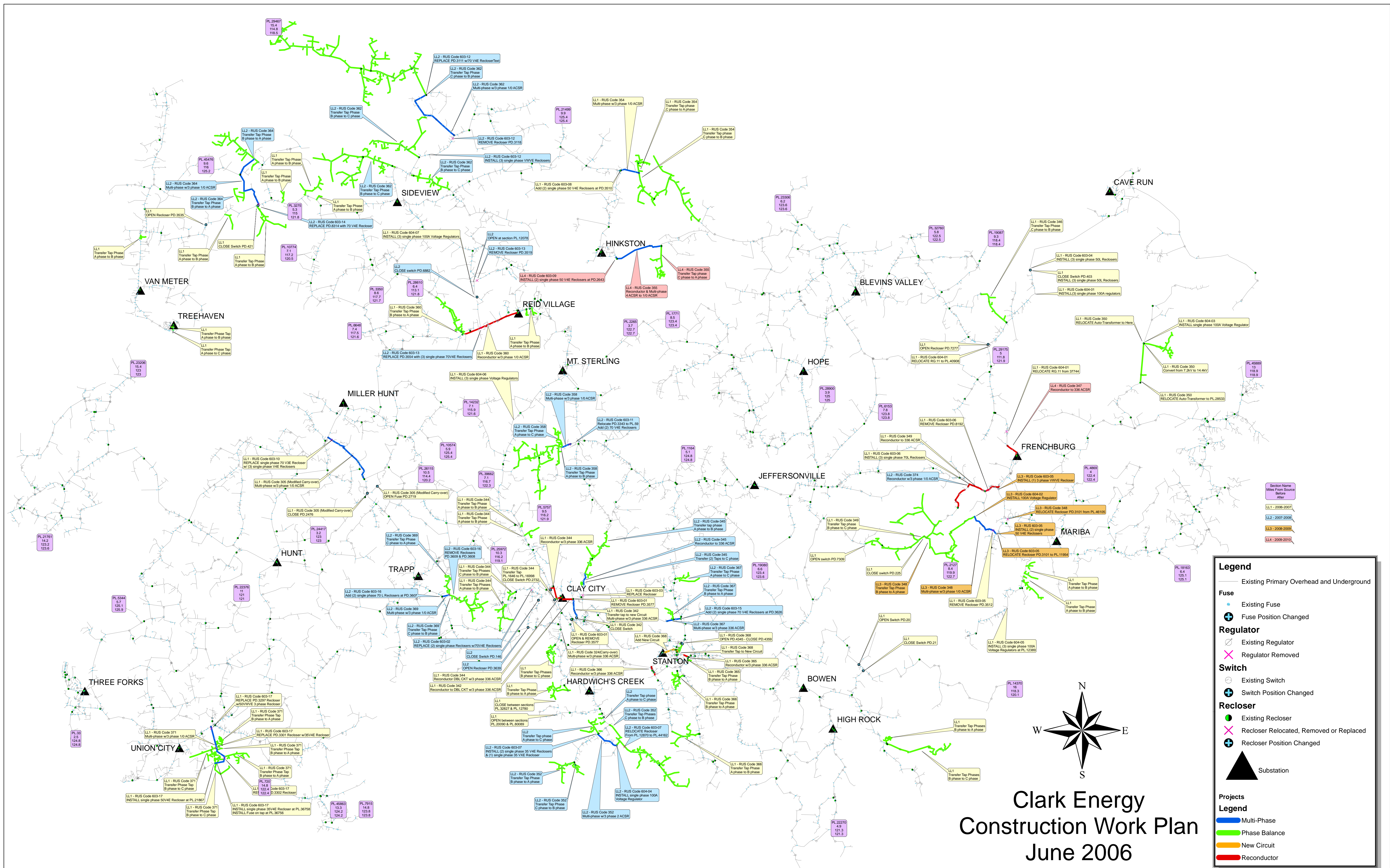
	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load	Losses	Total
KW	1388	0	0	0	0	7293	24		0.00	8705
KVAR	159	0	0	-1	0	907	49			1115

Lowest Voltage		Highest Accumulated Voltage Drop		Highest Element Voltage Drop	
A-Phase ->	123.35 volts on PL.11411	2.65 volts on PL.11411	0.24 volts on PL.7119		
B-Phase ->	123.06 volts on PL.2591	2.94 volts on PL.2591	0.27 volts on PL.7140		
C-Phase ->	121.39 volts on PL.39417	4.61 volts on PL.39417	0.40 volts on PL.32897		

Substation Summary:						
Substation	KW	KW Losses	KVAR	KVAR Losses	KVA	% Capacity
SIDEVIEW	8705.00	24.00	1115.00	49.00	8775.77	0.00
Total:	8705.00	24.00	1115.00	49.00	8775.77	

Appendix C CIRCUIT DIAGRAMS





Clark Energy Construction Work Plan June 2006

Legend

Existing Primary Overhead and Underground

Fuse

- Existing Fuse
- Fuse Position Changed

Regulator

- Existing Regulator
- Regulator Removed

Switch

- Existing Switch
- Switch Position Changed

Recloser

- Existing Recloser
- Recloser Relocated, Removed or Replaced
- Recloser Position Changed

Substation

Projects Legend

- Multi-Phase
- Phase Balance
- New Circuit
- Reconductor